

GenCore version 5.1.7
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OM protein - protein search, using SW model

Run on: March 28, 2006, 21:07:35 ; Search time 16.5224 Seconds
(without alignments)
405,312 Million cell updates/sec

Title: US-10-717-138-1

Perfect score: 397

Sequence: 1 GPLGSADTLERVTIKIIVDR.....EDAEKATVGDVAVNYIQNOQ 81

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA*
1: /cgn2_6/ptodata/1/1aa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/H_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/PTUS_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfills1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	397	100.0	81	2	US-09-770-834-1
2	238	59.9	79	2	US-09-134-001C-4809
3	234	58.9	77	2	US-10-089-019-26
4	225	56.7	94	2	US-09-543-681A-7956
5	222.5	56.0	80	2	US-09-902-540-14560
6	215	54.2	77	2	US-09-770-834-15
7	215	54.2	78	2	US-10-089-019-34
8	215	54.2	108	2	US-09-489-039A-7550
9	214	53.9	81	2	US-09-252-991A-18646
10	205	51.6	372	2	US-09-252-991A-30132
11	197	49.6	79	2	US-09-198-452A-308
12	197	49.6	80	2	US-09-438-185A-297
13	188	47.4	99	2	US-09-328-352-4669
14	180	45.3	86	2	US-09-107-532A-7143
15	170	42.8	111	2	US-09-248-796A-17438
16	164.5	41.4	100	2	US-09-902-540-13542
17	160	40.3	101	2	US-09-107-532A-7092
18	158.5	39.9	74	2	US-09-583-110-3914
19	158.5	39.9	74	2	US-10-089-019-30
20	154	38.8	122	2	US-09-248-796A-17437
21	153.5	38.7	77	2	US-09-583-110-4176
22	153.5	38.7	84	2	US-09-107-433-4377
23	148.5	37.4	77	2	US-08-858-207A-302
24	148.5	37.4	77	2	US-10-089-019-28
25	134	33.8	97	2	US-09-602-787A-36
26	134	33.8	97	2	US-09-853-137-2
27	122	30.7	120	2	US-09-056-556-195

28	122	30.7	120	2	US-09-072-596-190	Sequence 190, App
29	122	30.7	120	2	US-09-072-967-195	Sequence 195, App
30	122	30.7	120	2	US-10-193-002-190	Sequence 190, App
31	122	30.7	120	2	US-10-084-843-195	Sequence 195, App
32	106	26.7	136	1	US-08-580-545B-8	Sequence 8, App1
33	106	26.7	136	1	US-09-262-653A-8	Sequence 8, App1
34	99.5	25.1	2756	1	US-08-375-709-11	Sequence 11, App1
35	99.5	25.1	2756	1	US-08-752-929-11	Sequence 11, App1
36	99.5	25.1	2756	2	US-09-090-793-7	Sequence 7, App1
37	99.5	25.1	2756	2	US-09-231-899-7	Sequence 7, App1
38	97	24.4	41	1	US-08-453-924-8	Sequence 8, App1
39	94	23.7	110	2	US-09-543-681A-6806	Sequence 6806, App
40	93.5	23.6	93	2	US-09-266-965-117	Sequence 117, App
41	91.5	23.0	1481	2	US-09-231-899-70	Sequence 70, App1
42	85.5	21.5	85	2	US-09-902-540-13340	Sequence 13340, App
43	84	21.2	40	1	US-08-129-129-6	Sequence 6, App1
44	83	20.9	359	2	US-09-266-965-120	Sequence 120, App
45	76	19.1	84	1	US-08-901-306-4	Sequence 4, App1

ALIGNMENTS

```

RESULT 1
US-09-770-834-1
; Sequence 1, Application US/09770834
; Patent No. 6684162
; GENERAL INFORMATION:
; APPLICANT: Parris, Kevin
; APPLICANT: Somers, William
; APPLICANT: Tam, Amy
; APPLICANT: Lin, Laura
; APPLICANT: Stahl, Mark
; APPLICANT: Powers, Robert
; APPLICANT: Xu, Guan-Yi
; TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
; FILE REFERENCE: 2368/14
; CURRENT APPLICATION NUMBER: US/09/770,834
; PRIOR FILING DATE: 2001-10-12
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: US 60/202,466
; PRIOR FILING DATE: 2000-05-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Bacillus subtilis
US-09-770-834-1

Query Match      100.0%; Score 397, DB 2; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.8e-00;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GPLGSADTLERVTIKIIVDR...GVDADYKLSAFKEDIGADSLDVEVLMELDEDFDEIS 60
Db 1 GPLGSADTLERVTIKIIVDR...GVDADYKLSAFKEDIGADSLDVEVLMELDEDFDEIS 60

Cy 61 DEDAEKATVGDVAVNYIQNOQ 81
Db 61 DEDAEKATVGDVAVNYIQNOQ 81

RESULT 2
US-09-134-001C-4809
; Sequence 4809, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C

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;; CURRENT FILING DATE: 1998-08-13
;; PRIOR APPLICATION NUMBER: US 60/064,964
;; PRIOR FILING DATE: 1997-11-08
;; PRIOR APPLICATION NUMBER: US 60/055,779
;; PRIOR FILING DATE: 1997-08-14
;; NUMBER OF SEQ ID NOS: 5674
;; SEQ ID NO 4809
;; LENGTH: 79
;; TYPE: PRF
;; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4809

Query Match 59.9%; Score 238; DB 2; Length 79;
Best Local Similarity 67.1%; Pred. No. 3.1e-21;
Matches 49; Conservative 8; Mismatches 16; Indels 0; Gaps 0;

QY 7 DTLERTKIIIVDLGVDEADVLEAFKEDLGADSLDVVELVMEDEDFPMETSDDAEK 66
DB 4 ENFDKVKDIIIVDLGVADAKVTEDASFKDDLGADSLDIIVELVMEDEDFGTETIPDEAEK 63

QY 67 IATVGDVAVNYION 79
DB 64 INTVGDVAVKINS 76

RESULT 3
US-10-089-019-26
;; Sequence 26, Application US/10089019
;; Patent No. 6951729
;; GENERAL INFORMATION:
;; APPLICANT: DEMOLF, WALTER E. JR
;; APPLICANT: KALLENDER, HOWARD
;; APPLICANT: LONSDALE, JOHN T.
;; TITLE OF INVENTION: METHODS FOR MAKING AND USING FATTY ACID
;; FILE REFERENCE: GMS0068
;; CURRENT APPLICATION NUMBER: US/10/089, 019
;; CURRENT FILING DATE: 2002-03-25
;; PRIOR APPLICATION NUMBER: PCT/US00/29451
;; PRIOR FILING DATE: 2000-10-26
;; PRIOR APPLICATION NUMBER: 60/161,775
;; PRIOR FILING DATE: 1999-10-27
;; NUMBER OF SEQ ID NOS: 37
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 26
;; LENGTH: 77
;; TYPE: PRF
;; ORGANISM: Staphylococcus aureus
US-10-089-019-26

Query Match 58.9%; Score 234; DB 2; Length 77;
Best Local Similarity 65.8%; Pred. No. 9e-21;
Matches 48; Conservative 9; Mismatches 16; Indels 0; Gaps 0;

QY 7 DTLERTKIIIVDLGVDEADVLEAFKEDLGADSLDVVELVMEDEDFPMETSDDAEK 66
DB 2 ENFDKVKDIIIVDLGVADAKVTEDASFKDDLGADSLDIIVELVMEDEDFGTETIPDEAEK 61

QY 67 IATVGDVAVNYION 79
DB 62 INTVGDVAVKINS 74

RESULT 4
US-09-543-681A-7956
;; Sequence 7956, Application US/09543681A
;; Patent No. 6605709
;; GENERAL INFORMATION:
;; APPLICANT: GARY BRETON
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
;; FILE REFERENCE: 2709.1002-001
;; CURRENT APPLICATION NUMBER: US/09/543, 681A

;; CURRENT FILING DATE: 2000-04-05
;; PRIOR APPLICATION NUMBER: US 60/128,706
;; PRIOR FILING DATE: 1999-04-09
;; NUMBER OF SEQ ID NOS: 8344
;; SEQ ID NO 7956
;; LENGTH: 94
;; TYPE: PRF
;; ORGANISM: Proteus mirabilis
US-09-543-681A-7956

Query Match 56.7%; Score 225; DB 2; Length 94;
Best Local Similarity 65.7%; Pred. No. 1.4e-19;
Matches 46; Conservative 11; Mismatches 13; Indels 0; Gaps 0;

QY 10 ERYTKIIVDLGVDEADVLEAFKEDLGADSLDVVELVMEDEDFPMETSDDAEK 69
DB 22 ERYTKIIVDLGVDEADVLEAFKEDLGADSLDVVELVMEDEDFGTETIPDEAEK 81

QY 70 VGDVAVNYION 79
DB 82 VQALDVIYEN 91

RESULT 5
US-09-902-540-14560
;; Sequence 14560, Application US/09902540
;; Patent No. 6833447
;; GENERAL INFORMATION:
;; APPLICANT: Goldman, Barry S.
;; APPLICANT: Hinkle, Gregory J.
;; APPLICANT: Slater, Steven C.
;; APPLICANT: Wiegand, Roger C.
;; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
;; FILE REFERENCE: 38-10(15849)B
;; CURRENT APPLICATION NUMBER: US/09/902,540
;; CURRENT FILING DATE: 2001-07-10
;; PRIOR APPLICATION NUMBER: 60/217,883
;; PRIOR FILING DATE: 2000-07-10
;; NUMBER OF SEQ ID NOS: 16825
;; SEQ ID NO 14560
;; LENGTH: 80
;; TYPE: PRF
;; ORGANISM: Myxococcus xanthus
US-09-902-540-14560

Query Match 56.0%; Score 222.5; DB 2; Length 80;
Best Local Similarity 59.0%; Pred. No. 2.3e-19;
Matches 46; Conservative 14; Mismatches 17; Indels 1; Gaps 1;

QY 5 SADTLE-RVTKIIVDLGVDEADVLEAFKEDLGADSLDVVELVMEDEDFPMETSDDAEK 63
DB 2 SSTLEAKKSIIVDLGVDEADVLEAFKEDLGADSLDVVELVMEDEDFGTETIPDEAEK 61

QY 64 AEXIATVGDVAVNYIONQ 81
DB 62 AEXIKTVADVAVSYINTK 79

RESULT 6
US-09-770-834-15
;; Sequence 15, Application US/09770834
;; Patent No. 6684162
;; GENERAL INFORMATION:
;; APPLICANT: Parris, Kevin
;; APPLICANT: Somers, William
;; APPLICANT: Tam, Amy
;; APPLICANT: Lin, Laura
;; APPLICANT: Stahl, Mark
;; APPLICANT: Powers, Robert
;; APPLICANT: Xu, Guan-Yi
;; TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACP/ACP COMPLEX, SOLUTION STRUCTURE
;; FILE REFERENCE: 2368/14

CURRENT APPLICATION NUMBER: US/09/770,834
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patent version 3.0
SEQ ID NO 15
LENGTH: 77
TYPE: PRT
ORGANISM: Escherichia coli
US-09-770-834-15

Query Match 54.2%; Score 215; DB 2; Length 77;
Best Local Similarity 63.9%; Pred. No. 1.7e-18;
Matches 46; Conservative 8; Mismatches 18; Indels 0; Gaps 0;

QY 10 ERYTKIIVDRGVDAVDYKLSFKEDLGADSLDVLVMELEDFDMEISDPAKIKT 69
DB 5 ERVKKIIIGQLGVKQEEVYNNNSFVEDLGADSLDVLVMELEDFDTEIPBEAKIKT 64
QY 70 VGDVAVYIQNOQ 81
DB 65 VQAIDYINGHQ 76

RESULT 7
US-10-089-019-34
Sequence 34, Application US/10089019
Patent No. 6951729
GENERAL INFORMATION:
APPLICANT: DEMOLF, WALTER E. JR
APPLICANT: KALLENDER, HOWARD
APPLICANT: LONSDALE, JOHN T.
TITLE OF INVENTION: METHODS FOR MAKING AND USING FATTY ACID
FILE REFERENCE: GMS0068
CURRENT APPLICATION NUMBER: US/10/089,019
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER: PCT/US00/29451
PRIOR FILING DATE: 2000-10-26
PRIOR APPLICATION NUMBER: 60/161,775
PRIOR FILING DATE: 1999-10-27
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 34
LENGTH: 78
TYPE: PRT
ORGANISM: Escherichia coli
US-10-089-019-34

Query Match 54.2%; Score 215; DB 2; Length 78;
Best Local Similarity 63.9%; Pred. No. 1.7e-18;
Matches 46; Conservative 8; Mismatches 18; Indels 0; Gaps 0;

QY 10 ERYTKIIVDRGVDAVDYKLSFKEDLGADSLDVLVMELEDFDMEISDPAKIKT 69
DB 6 ERVKKIIIGQLGVKQEEVYNNNSFVEDLGADSLDVLVMELEDFDTEIPBEAKIKT 65
QY 70 VGDVAVYIQNOQ 81
DB 66 VQAIDYINGHQ 77

RESULT 8
US-09-489-039A-7550
Sequence 7550, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: 2709,2004001
CURRENT APPLICATION NUMBER: US/09/489,039A

CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 7550
LENGTH: 108
TYPE: PRT
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7550

Query Match 54.2%; Score 215; DB 2; Length 108;
Best Local Similarity 63.9%; Pred. No. 2.7e-18;
Matches 46; Conservative 8; Mismatches 16; Indels 0; Gaps 0;

QY 10 ERYTKIIVDRGVDAVDYKLSFKEDLGADSLDVLVMELEDFDMEISDPAKIKT 69
DB 36 ERVKKIIIGQLGVKQEEVYNNNSFVEDLGADSLDVLVMELEDFDTEIPBEAKIKT 95
QY 70 VGDVAVYIQNOQ 81
DB 96 VQAIDYINGHQ 107

RESULT 9
US-09-252-991A-18646
Sequence 18646, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 18646
LENGTH: 81
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18646

Query Match 53.9%; Score 214; DB 2; Length 81;
Best Local Similarity 59.0%; Pred. No. 2.4e-18;
Matches 46; Conservative 10; Mismatches 22; Indels 0; Gaps 0;

QY 4 GSAOTLERVTKIIVDRGVDAVDYKLSFKEDLGADSLDVLVMELEDFDMEISDPAKIKT 63
DB 3 GMSSTIEERVKKIIIVGQLGVKQEEVYNNNSFVEDLGADSLDVLVMELEDFDTEIPBEAKIKT 62
QY 64 AEKATVGDVAVYIQNOQ 81
DB 63 AEKATVGDVAVYIAHQ 80

RESULT 10
US-09-252-991A-30132
Sequence 30132, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 30132
 LENGTH: 372
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-30132

Query Match 51.6%; Score 205; DB 2; Length 372;
 Best Local Similarity 50.0%; Pred. No. 2.2e-16;
 Matches 39; Conservative 18; Mismatches 21; Indels 0; Gaps 0;

QY 1 GELGASDTERVTKIIVDLGVADVKLEASFEKEDLGADSLDVELVMELEDFMEISDEDAKATVG 60
 DB 290 GPOCDDITFRKLVAAAFVGECDRLDSDFRNFGASLEVLVMALEAFGEVET 349
 QY 61 DEDAEKATVGDVAVNYIQ 78
 DB 350 DDAERIEITVROAIDYLE 367

RESULT 11
 US-09-198-452A-308
 Sequence 308, Application US/09198452A
 Patent No. 6559294
 GENERAL INFORMATION:

APPLICANT: Giffais, R.
 TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
 TITLE OF INVENTION: thereof, in particular for the diagnosis, prevention
 TITLE OF INVENTION: and treatment of infection
 FILE REFERENCE: 9710-003-999
 CURRENT APPLICATION NUMBER: US/09/198,452A
 CURRENT FILING DATE: 1998-11-24
 NUMBER OF SEQ ID NOS: 6849
 SEQ ID NO 308
 LENGTH: 79
 TYPE: PRT
 ORGANISM: Chlamydia pneumoniae
 US-09-198-452A-308

Query Match 49.6%; Score 197; DB 2; Length 79;
 Best Local Similarity 57.1%; Pred. No. 2.5e-16;
 Matches 40; Conservative 12; Mismatches 18; Indels 0; Gaps 0;

QY 12 VTKIIVDLGVADVKLEASFEKEDLGADSLDVELVMELEDFMEISDEDAKATVG 71
 DB 7 VAIIVGQGVDPKEVNSSFIEDLNADSLDTLITLIEKFAFISEDAEKLRITVG 66
 QY 72 DAVNYIQNOQ 81
 DB 67 DVFTYIKKRO 76

RESULT 12
 US-09-438-185A-297
 Sequence 297, Application US/09438185A
 Patent No. 6822071
 GENERAL INFORMATION:
 APPLICANT: Stephens, Richard
 APPLICANT: Mitchell, Wayne
 APPLICANT: Kalman, Sue
 APPLICANT: Davis, Ronald
 TITLE OF INVENTION: The Regents of the University of California
 TITLE OF INVENTION: Chlamydia pneumoniae Genome Sequence
 FILE REFERENCE: 018941-000411US
 CURRENT APPLICATION NUMBER: US/09/438,185A
 CURRENT FILING DATE: 2002-03-13
 PRIOR APPLICATION NUMBER: US 60/108,279
 PRIOR FILING DATE: 1998-11-12
 PRIOR APPLICATION NUMBER: US 60/128,606
 PRIOR FILING DATE: 1999-04-08
 NUMBER OF SEQ ID NOS: 1074
 SOFTWARE: PasteSeq for Windows Version 3.0
 SEQ ID NO 297

LENGTH: 80
 TYPE: PRT
 ORGANISM: Chlamydia pneumoniae
 FEATURE:
 OTHER INFORMATION: Cpn0295
 US-09-438-185A-297

Query Match 49.6%; Score 197; DB 2; Length 80;
 Best Local Similarity 57.1%; Pred. No. 2.6e-16;
 Matches 40; Conservative 12; Mismatches 18; Indels 0; Gaps 0;

QY 12 VTKIIVDLGVADVKLEASFEKEDLGADSLDVELVMELEDFMEISDEDAKATVG 71
 DB 8 VAIIVGQGVDPKEVNSSFIEDLNADSLDTLITLIEKFAFISEDAEKLRITVG 67
 QY 72 DAVNYIQNOQ 81
 DB 68 DVFTYIKKRO 77

RESULT 13
 US-09-328-352-4669
 Sequence 4669, Application US/09328352
 Patent No. 6562958
 GENERAL INFORMATION:

APPLICANT: Gary L. Breton et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
 TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: GTC99-03PA
 CURRENT APPLICATION NUMBER: US/09/328,352
 CURRENT FILING DATE: 1999-06-04
 NUMBER OF SEQ ID NOS: 8252
 SEQ ID NO 4669
 LENGTH: 99
 TYPE: PRT
 ORGANISM: Acinetobacter baumannii
 US-09-328-352-4669

Query Match 47.4%; Score 188; DB 2; Length 99;
 Best Local Similarity 48.6%; Pred. No. 4.1e-15;
 Matches 35; Conservative 19; Mismatches 18; Indels 0; Gaps 0;

QY 6 ADTLRVTIKIIVDLGVADVKLEASFEKEDLGADSLDVELVMELEDFMEISDEDAE 65
 DB 23 SPIRGVQVAVGQGLAEIKNEASFMVDLGADSLDVELVMSRENFDTITPEDSN 82
 QY 66 KIATVGDVAVNYI 77
 DB 83 EITVQSAIDIV 94

RESULT 14
 US-09-107-532A-7143
 Sequence 7143, Application US/09107532A
 Patent No. 6583275
 GENERAL INFORMATION:
 APPLICANT: Lynn A Doucette-Stamm and David Bush
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
 ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
 NUMBER OF SEQUENCES: 7310
 CORRESPONDENCE ADDRESS:
 ADDRESS: GENOME THERAPEUTICS CORPORATION
 STREET: 100 Beaver Street
 CITY: Waltham
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02354
 COMPUTER READABLE FORM:
 MEDIUM TYPE: CD-ROM ISO9660
 COMPUTER: PC
 OPERATING SYSTEM: <Unknown>
 SOFTWARE: ASCII
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 7143:
SEQUENCE CHARACTERISTICS:
LENGTH: 86 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc feature
LOCATION: (8) LOCATION 1..86
SEQUENCE DESCRIPTION: SEQ ID NO: 7143:
US-09-107-532A-7143

Query Match 45.3%; Score 180; DB 2; Length 86;
Best Local Similarity 50.7%; Pred. No. 3, 1e-14;
Matches 37; Conservative 13; Mismatches 23; Indels 0; Gaps 0;

QY 7 DLEENVTKIIVRLGVDEADVKLEASFKEDLGADSLDVVELVMELEDFDEMEISDEDAEK 66
DB 11 EVFNNVAKISNMFETIDTKVTDENIKODLKNADSIISIMEFVLELEDFGTETISDEDAEQ 70

QY 67 IATVGDAVNYION 79
DB 71 IETVGADVYISS 83

RESULT 15
US-09-248-796A-17438
Sequence 17438, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinrock et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 17438
LENGTH: 111
TYPE: PRT
ORGANISM: Candida albicans
US-09-248-796A-17438

Query Match 42.8%; Score 170; DB 2; Length 111;
Best Local Similarity 40.0%; Pred. No. 6, 9e-13;
Matches 32; Conservative 23; Mismatches 25; Indels 0; Gaps 0;

QY 2 PLGSADTLERVTKIIVRLGVDEADVKLEASFKEDLGADSLDVVELVMELEDFDEMEISD 61
DB 30 PISKQEVTSRAIQALKTVAFLQESNITLESSFQKDLGSLDPTVEALVALBEFPLEIPD 89

QY 62 EDAEKIATVGDAVNYIONQ 81

DB 90 KTSDEIKTVGEADVITYKKE 109

Search completed: March 28, 2006, 21:08:36
Job time: 17.5224 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 28, 2006, 21:22:30 ; Search time 93.4925 Seconds
(without alignments)
361.999 Million cell updates/sec

Title: US-10-717-138-1

Perfect score: 397
Sequence: 1 GPISADTLERVTXIIYDRL.....EDAEKATVGDANYIONQ 81

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubppa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubppa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubppa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	397	100.0	81 3 US-09-770-834-1	Sequence 1, Appli
2	397	100.0	81 4 US-10-717-138-1	Sequence 1, Appli
3	307	77.3	80 4 US-10-282-122A-6208	Sequence 46208, A
4	284	71.5	77 4 US-10-282-122A-6082	Sequence 6082, A
5	254	64.0	76 3 US-09-815-242-10973	Sequence 10973, A
6	254	64.0	76 4 US-10-282-122A-58089	Sequence 58089, A
7	249	62.7	76 4 US-10-282-122A-67443	Sequence 67443, A
8	239	60.2	110 4 US-10-282-122A-77373	Sequence 77373, A
9	238	59.9	77 4 US-10-282-122A-70919	Sequence 70919, A
10	238	59.9	77 4 US-10-282-122A-71791	Sequence 71791, A
11	238	59.9	79 4 US-10-724-972A-5601	Sequence 5601, A
12	236	59.4	77 4 US-10-282-122A-51523	Sequence 51523, A
13	234	58.9	77 3 US-09-815-242-12802	Sequence 12802, A
14	234	58.9	77 3 US-09-815-242-11101	Sequence 11101, A
15	234	58.9	77 4 US-10-282-122A-44414	Sequence 44414, A
16	234	58.9	77 5 US-10-857-625-626	Sequence 626, App
17	232	58.4	73 3 US-09-815-242-5462	Sequence 5462, App
18	232	58.4	77 3 US-09-815-242-12124	Sequence 12124, A
19	227	57.2	79 4 US-10-282-122A-51445	Sequence 51445, A
20	226.5	57.1	78 4 US-10-282-122A-78573	Sequence 78573, A
21	225	56.7	104 4 US-10-282-122A-52553	Sequence 52553, A
22	223.5	56.3	75 4 US-10-369-493-8522	Sequence 8522, App
23	222.5	56.0	72 4 US-10-369-493-7064	Sequence 7064, App
24	222.5	56.0	78 4 US-10-369-493-4308	Sequence 4308, App
25	222.5	56.0	79 4 US-10-282-122A-47901	Sequence 47901, A
26	222.5	56.0	79 4 US-10-282-122A-49501	Sequence 49501, A
27	222.5	56.0	79 4 US-10-282-122A-50326	Sequence 50326, A

ALIGNMENTS

28	222	55.9	78 4 US-10-369-493-132	Sequence 132, App
29	222	55.9	80 5 US-10-501-282-4732	Sequence 4732, App
30	220	55.4	75 4 US-10-369-493-21035	Sequence 21035, A
31	220	55.4	82 4 US-10-282-122A-61113	Sequence 61113, A
32	217	54.7	71 4 US-10-369-493-9111	Sequence 9111, App
33	217	54.7	76 4 US-10-369-493-10628	Sequence 10628, A
34	217	54.7	78 4 US-10-282-122A-65150	Sequence 65150, A
35	216	54.4	78 4 US-10-369-493-12321	Sequence 12321, A
36	216	54.4	78 4 US-10-282-122A-65580	Sequence 65580, A
37	215	54.2	77 3 US-09-770-834-15	Sequence 15, Appl
38	215	54.2	77 4 US-10-717-138-15	Sequence 15, Appl
39	215	54.2	78 3 US-09-815-242-10127	Sequence 10127, A
40	215	54.2	78 4 US-10-230-331-39	Sequence 39, Appl
41	215	54.2	78 4 US-10-369-493-795	Sequence 795, App
42	215	54.2	78 4 US-10-282-122A-43145	Sequence 43145, A
43	215	54.2	78 4 US-10-282-122A-67855	Sequence 67855, A
44	215	54.2	78 4 US-10-282-122A-72742	Sequence 72742, A
45	215	54.2	78 4 US-10-282-122A-75153	Sequence 75153, A

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RESULT 1
US-09-770-834-1
Sequence 1, Application US/09770834
Publication No. US20030211588A1
GENERAL INFORMATION:
APPLICANT: Somers, Kevin
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
APPLICANT: Powers, Robert
APPLICANT: Xu, Guan-Yi
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPs/ACP COMPLEX, SOLUTION STRUCTURE
FILE REFERENCE: 2368/14
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin version 3.0
SEQ ID NO 1
LENGTH: 81
TYPE: PRT
ORGANISM: Bacillus subtilis
US-09-770-834-1
Query Match 100.0%; Score 397; DB 3; Length 81;
Beet Local Similarity 100.0%; Pred. No. 2.7e-35;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 GPISADTLERVTXIIYDRLGVADADYKLSFKEDLGADSLDVELVMELEDEPDMETS 60
1 GPISADTLERVTXIIYDRLGVADADYKLSFKEDLGADSLDVELVMELEDEPDMETS 60
61 DEDAEKATVGDANYIONQ 81
61 DEDAEKATVGDANYIONQ 81
Db
1 GPISADTLERVTXIIYDRLGVADADYKLSFKEDLGADSLDVELVMELEDEPDMETS 60
2 US-10-717-138-1
Sequence 1, Application US/10717138
Publication No. US20040078147A1
GENERAL INFORMATION:
APPLICANT: Parriss, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark

```

```
APPLICANT: Powers, Robert
APPLICANT: Xu, Guan-Yi
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
TITLE OF INVENTION: OF B. SUBTILIS ACP, AND USES THEREOF
FILE REFERENCE: 2368/14
CURRENT APPLICATION NUMBER: US/10/717,138
CURRENT FILING DATE: 2003-11-19
PRIOR APPLICATION NUMBER: US/09/770,834
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 81
TYPE: PRT
ORGANISM: Bacillus subtilis
US-10-717-138-1
```

```
Query Match 100.0%; Score 397; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.7e-35;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 GPISADTTERVTKIIVDRIGVDEADVKLEASFKEDLGADSLDVVELVMELEDFPMETIS 60
DB 1 GPISADTTERVTKIIVDRIGVDEADVKLEASFKEDLGADSLDVVELVMELEDFPMETIS 60
QY 61 DEDAEKIATVGDAVNYIONQ 81
DB 61 DEDAEKIATVGDAVNYIONQ 81
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```
RESULT 3
US-10-282-122A-46208
Sequence 46208, Application US/10282122A
Publication NO. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zybskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITPA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 46208
LENGTH: 80
TYPE: PRT
ORGANISM: Bacillus anthracis
US-10-282-122A-46208
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Query Match 77.3%; Score 307; DB 4; Length 80;
Best Local Similarity 82.9%; Pred. No. 1.4e-25;
Matches 63; Conservative 6; Mismatches 7; Indels 0; Gaps 0;
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QY 4 GSADTTERVTKIIVDRIGVDEADVKLEASFKEDLGADSLDVVELVMELEDFPMETIS 63
DB 3 GSADTTERVTKIIVDRIGVDEADVKLEASFKEDLGADSLDVVELVMELEDFPMETIS 62
QY 64 AEKIATVGDAVNYION 79
DB 63 AEKIATVGDAVNYIES 78
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```
RESULT 4
US-10-282-122A-60882
Sequence 60882, Application US/10282122A
Publication NO. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zybskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITPA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 60882
LENGTH: 77
TYPE: PRT
ORGANISM: Listeria monocytogenes
US-10-282-122A-60882
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Query Match 71.5%; Score 284; DB 4; Length 77;
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Best Local Similarity 80.8%; Pred. No. 4,1e-23;
Matches 59; Conservative 6; Mismatches 8; Indels 0; Gaps 0;

Qy 6 ADLTERKTIIVRLGVDEADVKEASFKEDLGADSLDVVELVMELEDFEPMETSDAE 65
Db 2 AEVLEKTIIVRLGVDEADVKEASFKEDLGADSLDVVELVMELEDFEVEISDGA 61
Qy 66 KIATVGDVAVYIQ 78
Db 62 NINTVGDVAVYIQ 74

RESULT 5

US-09-815-242-10973

Sequence 10973, Application US/09815242

Patent No. US20020061569A1

GENERAL INFORMATION:

APPLICANT: Haselbeck, Robert

APPLICANT: Ohlsen, Karl L.

APPLICANT: Zyskind, Judith W.

APPLICANT: Wall, Daniel

APPLICANT: Trawick, John D.

APPLICANT: Carr, Grant J.

APPLICANT: Yamamoto, Robert T.

APPLICANT: Xu, H. Howard

TITLE OF INVENTION: Identification of Essential Genes in

FILE REFERENCES: ELITRA.011a

CURRENT APPLICATION NUMBER: US/09/815,242

CURRENT FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/269,308

PRIOR FILING DATE: 2001-02-16

NUMBER OF SEQ ID NOS: 14110

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 10973

LENGTH: 76

TYPE: PRT

ORGANISM: Haemophilus influenzae

US-09-815-242-10973

Query Match 64.0%; Score 254; DB 3; Length 76;
Best Local Similarity 72.2%; Pred. No. 7,1e-20;
Matches 52; Conservative 8; Mismatches 12; Indels 0; Gaps 0;

Qy 10 ERYTKTIIVRLGVDEADVKEASFKEDLGADSLDVVELVMELEDFEPMETSDAE 69
Db 5 ERYKTIIVRLGVDEADVKEASFKEDLGADSLDVVELVMELEDFEPMETSDAE 64

Qy 70 VGDVAVYIQ 81
Db 65 VOSAIIDYVQNNQ 76

RESULT 6

US-10-282-122A-58089

Sequence 58089, Application US/10282122A

Publication No. US20040029129A1

GENERAL INFORMATION:

APPLICANT: Wang, Liangsu

APPLICANT: Zamudio, Carlos

APPLICANT: Malone, Cheryl

APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 58089
LENGTH: 76
TYPE: PRT
ORGANISM: Haemophilus influenzae
US-10-282-122A-58089

Query Match 64.0%; Score 254; DB 4; Length 76;
Best Local Similarity 72.2%; Pred. No. 7,1e-20;
Matches 52; Conservative 8; Mismatches 12; Indels 0; Gaps 0;

Qy 10 ERYTKTIIVRLGVDEADVKEASFKEDLGADSLDVVELVMELEDFEPMETSDAE 69
Db 5 ERYKTIIVRLGVDEADVKEASFKEDLGADSLDVVELVMELEDFEPMETSDAE 64

Qy 70 VGDVAVYIQ 81
Db 65 VOSAIIDYVQNNQ 76

RESULT 7

US-10-282-122A-67443

Sequence 67443, Application US/10282122A

Publication No. US20040029129A1

GENERAL INFORMATION:

APPLICANT: Wang, Liangsu

APPLICANT: Zamudio, Carlos

APPLICANT: Malone, Cheryl

APPLICANT: Haselbeck, Robert

APPLICANT: Ohlsen, Karl

APPLICANT: Zyskind, Judith

APPLICANT: Wall, Daniel

APPLICANT: Trawick, John

APPLICANT: Carr, Grant

APPLICANT: Yamamoto, Robert

APPLICANT: Forsyth, R.

APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 70919
LENGTH: 77
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-10-282-122A-70919

Query Match 59.9%; Score 238; DB 4; Length 77;
Best Local Similarity 67.1%; Pred. No. 3,8e-18;
Matches 49; Conservative 8; Mismatches 16; Indels 0; Gaps 0;

QY 7 DTLERYTKIIVDRIGVADVKLEASFKEDIGADSLDVELVMELEDFEPMETSDDEDAEK 66
DB 2 ENPKVKDIIIVDRIGVADVKTEDASFQDLDGADSLDIAELVMELEDFEFTETPDEDAEK 61
QY 67 IATVGDVAVNTION 79
DB 62 INTVGDVAVKINS 74

RESULT 10
US-10-282-122A-71791

Sequence 71791, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:

APPLICANT: Wang, Liangu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 71791

LENGTH: 77
TYPE: PRT
ORGANISM: Staphylococcus haemolyticus

US-10-282-122A-71791

Query Match 59.9%; Score 238; DB 4; Length 77;
Best Local Similarity 67.1%; Pred. No. 3,8e-18;
Matches 49; Conservative 8; Mismatches 16; Indels 0; Gaps 0;

QY 7 DTLERYTKIIVDRIGVADVKLEASFKEDIGADSLDVELVMELEDFEPMETSDDEDAEK 66
DB 2 ENPKVKDIIIVDRIGVADVKTEDASFQDLDGADSLDIAELVMELEDFEFTETPDEDAEK 61
QY 67 IATVGDVAVNTION 79
DB 62 INTVGDVAVKINS 74

RESULT 11
US-10-724-972A-5601

Sequence 5601, Application US/10724972A
Publication No. US2004014734A1
GENERAL INFORMATION:

APPLICANT: Doucette-Stamm, Lynn
APPLICANT: Bush, David
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: PATH03-16
CURRENT APPLICATION NUMBER: US/10/724,972A
CURRENT FILING DATE: 2003-12-01
PRIOR APPLICATION NUMBER: 09/450,969
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: 09/134,001
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 7544
SEQ ID NO 5601
LENGTH: 79
TYPE: PRT
ORGANISM: S. epidermidis
US-10-724-972A-5601

Query Match 59.9%; Score 238; DB 4; Length 79;
Best Local Similarity 67.1%; Pred. No. 4e-18;
Matches 49; Conservative 8; Mismatches 16; Indels 0; Gaps 0;

QY 7 DTLERYTKIIVDRIGVADVKLEASFKEDIGADSLDVELVMELEDFEPMETSDDEDAEK 66
DB 4 ENPKVKDIIIVDRIGVADVKTEDASFQDLDGADSLDIAELVMELEDFEFTETPDEDAEK 63
QY 67 IATVGDVAVNTION 79
DB 64 INTVGDVAVKINS 76

RESULT 12
US-10-282-122A-51523

Sequence 51523, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:

APPLICANT: Wang, Liangu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282.122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1.
SEQ ID NO 51523
LENGTH: 77
TYPE: PRT
ORGANISM: Clostridium acetobutylicum
US-10-282-122A-51523

Query Match 59.4%; Score 236; DB 4; Length 77;
Best Local Similarity 60.9%; Pred. No. 6.3e-18;
Matches 42; Conservative 18; Mismatches 9; Indels 0; Gaps 0;

QY 10 ERYTKIIVRLGVDAVDKLEASFKEDLGADSLDVVELVWELDEDFMEISDDAEK 69
DB 4 EKVKDIIADQLGIDATEIKMSEFFIDLGADSLDIYELVWLEDFMEISDDAEK 63
QY 70 VGDVAVYIQ 78
DB 64 VGDVAVYIK 72

RESULT 13
US-09-815-242-12802
Sequence 12802, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12802
LENGTH: 77
TYPE: PRT
ORGANISM: Staphylococcus aureus
US-09-815-242-12802

Query Match 58.9%; Score 234; DB 3; Length 77;
Best Local Similarity 65.8%; Pred. No. 1e-17;
Matches 48; Conservative 9; Mismatches 16; Indels 0; Gaps 0;

QY 7 DTLERYTKIIVRLGVDAVDKLEASFKEDLGADSLDVVELVWELDEDFMEISDDAEK 66
DB 2 ENFDKVDIIVRLGVDAVDKLEASFKEDLGADSLDIYELVWLEDFMEISDDAEK 61
QY 67 IATVGDVAVYION 79
DB 62 INTVGDVAVKINS 74

RESULT 14
US-09-815-242-13101
Sequence 13101, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13101
LENGTH: 77
TYPE: PRT
ORGANISM: Staphylococcus aureus
US-09-815-242-13101

Query Match 58.9%; Score 234; DB 3; Length 77;
Best Local Similarity 65.8%; Pred. No. 1e-17;
Matches 48; Conservative 9; Mismatches 16; Indels 0; Gaps 0;

QY 7 DTLERYTKIIVRLGVDAVDKLEASFKEDLGADSLDVVELVWELDEDFMEISDDAEK 66
DB 2 ENFDKVDIIVRLGVDAVDKLEASFKEDLGADSLDIYELVWLEDFMEISDDAEK 61

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: March 28, 2006, 21:23:45 ; Search time 12.4925 Seconds
(Without alignments)
191.238 Million cell updates/sec

Title: US-10-717-138-1

Perfect score: 397
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Gapop 10.0 , Gapext 0.5

Searched: 174695 seqs, 29494374 residues

Total number of hits satisfying chosen parameters: 174695

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA New:*

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- 2: /SIDS5/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 3: /SIDS5/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 4: /SIDS5/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 5: /SIDS5/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 6: /SIDS5/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 7: /SIDS5/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 8: /SIDS5/ptodata/1/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	217	54.7	76	6	US-10-467-657-4016 Sequence 4016, Ap
2	217	54.7	78	6	US-10-467-657-3996 Sequence 3996, Ap
3	217	54.7	78	6	US-10-467-657-7044 Sequence 7044, Ap
4	136	34.3	136	6	US-11-096-568A-4105 Sequence 4105, Ap
5	135	34.0	178	6	US-10-821-234-1052 Sequence 1052, Ap
6	94.5	23.8	2910	7	US-11-087-100-2 Sequence 2, App1
7	94.5	23.8	2910	7	US-11-087-084-2 Sequence 2, App1
8	94.5	23.8	2910	7	US-11-087-085-2 Sequence 2, App1
9	94.5	23.8	2910	7	US-11-087-100-13 Sequence 13, App1
10	91.5	23.0	86	7	US-11-087-084-13 Sequence 13, App1
11	91.5	23.0	86	7	US-11-087-085-13 Sequence 13, App1
12	84	21.2	823	7	US-11-087-099-12259 Sequence 12259, A
13	80.5	20.3	366	6	US-10-524-647-126 Sequence 126, App
14	80.5	20.3	366	6	US-10-524-972-114 Sequence 114, App
15	80.5	20.3	628	7	US-11-087-099-4659 Sequence 4659, App
16	76	19.1	715	7	US-11-087-099-808 Sequence 808, App
17	74.5	18.8	828	7	US-11-087-099-2436 Sequence 2436, App
18	73.5	18.5	371	6	US-10-467-962B-41 Sequence 41, App1
19	72	18.1	828	7	US-11-087-099-5157 Sequence 5157, Ap
20	71	17.9	1184	7	US-11-115-639-49 Sequence 49, App1
21	71	17.9	1184	7	US-11-115-639-50 Sequence 50, App1
22	69.5	17.5	1184	7	US-11-115-639-51 Sequence 51, App1
23	69.5	17.5	649	7	US-11-232-406A-12 Sequence 12, App1
24	68	17.1	697	7	US-11-074-176-214 Sequence 214, App
25	67	16.9	3475	7	US-11-087-099-10885 Sequence 10885, A

26	66	16.6	353	7	US-11-096-568A-31346 Sequence 31346, A
27	66	16.6	845	7	US-11-096-568A-28842 Sequence 28842, A
28	66	16.6	897	7	US-11-096-568A-28841 Sequence 28841, A
29	66	16.6	912	7	US-11-096-568A-28840 Sequence 28840, A
30	66	16.6	1078	7	US-11-165-211-43 Sequence 43, App1
31	66	16.6	1078	7	US-11-165-226-53 Sequence 53, App1
32	65.5	16.5	412	7	US-11-086-389-96 Sequence 96, App1
33	65.5	16.5	1090	7	US-11-096-568A-30655 Sequence 30655, A
34	65.5	16.5	1119	7	US-11-096-568A-30531 Sequence 30531, A
35	65.5	16.5	1120	7	US-11-096-568A-30634 Sequence 30634, A
36	65.5	16.5	1149	7	US-11-096-568A-30530 Sequence 30530, A
37	65.5	16.5	1200	7	US-11-096-568A-30530 Sequence 30530, A
38	65.5	16.5	1229	7	US-11-096-568A-30529 Sequence 30529, A
39	64.5	16.2	332	7	US-11-096-568A-8378 Sequence 8378, Ap
40	64.5	16.2	348	7	US-11-096-568A-8377 Sequence 8377, Ap
41	64.5	16.2	349	7	US-11-096-568A-8377 Sequence 8377, Ap
42	64	16.1	226	7	US-11-024-959-501 Sequence 501, App
43	64	16.1	3488	7	US-11-087-099-9005 Sequence 9005, App
44	63.5	16.0	619	6	US-10-537-002-102 Sequence 102, App
45	63.5	16.0	1070	6	US-10-537-002-114 Sequence 14, App1

ALIGNMENTS

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RESULT 1
US-10-467-657-4016
; Sequence 4016, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqMan99, version 1.04
; SEQ ID NO 4016
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4016

Query Match      54.7%; Score 217; DB 6; Length 76;
Best Local Similarity 66.2%; Pred. No. 3.3e-15;
Matches 45; Conservative 11; Mismatches 12; Indels 0; Gaps 0;

QY      10 EVHTKIVDRGLVDEADYGLASFKEDGADSLDYVELMELEDFRDMESDDEKAT 69
Db      4 QGVKTLMEQLVDEADYVADNASSFDQDGLGADSLDYVELMALBEAFGCEIPDEAKITT 63

QY      70 VGDVAVNYI 77
Db      64 VOLAIDYI 71

RESULT 2
US-10-467-657-3996
; Sequence 3996, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
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; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWm99, version 1.04
; SEQ ID NO: 3996
; LENGTH: 78
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3996

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Query Match      54.7%; Score 217; DB 6; Length 78;
Best Local Similarity 66.2%; Pred. No. 3.4e-15;
Matches 45; Conservative 11; Mismatches 12; Indels 0; Gaps 0;

QY 10 ERYTKIIVRLGVDEADVLEASFKEDLGADSLDVLELWMELEDFPMEISDEDAKITT 69
   ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB 6 QGVKKIIAEQLGVNEADVKNSSFPDDLGADSLDVLELWALBEAFGCEIPPEDAKITT 65
   ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY 70 VGDVAVNYI 77
   |::|::|
DB 66 VOLAIDYI 73

```

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RESULT 3
US-10-467-7044
; Sequence 7044, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWm99, version 1.04
; SEQ ID NO: 7044
; LENGTH: 78
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7044

```

```

Query Match      54.7%; Score 217; DB 6; Length 78;
Best Local Similarity 66.2%; Pred. No. 3.4e-15;
Matches 45; Conservative 11; Mismatches 12; Indels 0; Gaps 0;

QY 10 ERYTKIIVRLGVDEADVLEASFKEDLGADSLDVLELWMELEDFPMEISDEDAKITT 69
   ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB 6 QGVKKIIAEQLGVNEADVKNSSFPDDLGADSLDVLELWALBEAFGCEIPPEDAKITT 65
   ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY 70 VGDVAVNYI 77
   |::|::|
DB 66 VOLAIDYI 73

```

```

RESULT 4
US-11-096-568A-4105
; Sequence 4105, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
; APPLICANT: Alexandrov, Nikolai et al.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
; FILE REFERENCE: 2750-1592PUS2
; CURRENT APPLICATION NUMBER: US/11/096,568A

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; CURRENT FILING DATE: 2005-04-01
; NUMBER OF SEQ ID NOS: 34471
; SEQ ID NO: 4105
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(136)
; OTHER INFORMATION: Ceres Seq. ID no. 13594815
US-11-096-568A-4105

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Query Match      34.3%; Score 136; DB 7; Length 136;
Best Local Similarity 39.2%; Pred. No. 7.4e-07;
Matches 29; Conservative 22; Mismatches 21; Indels 2; Gaps 2;

QY 7 DTLERVTKIIVRLGVDEADVLEASFK-EDLGADSLDVLELWMELEDFPMEISDEDAE 65
   ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB 56 ETVQKVSIVIRVLEQLAL-SADYALTAESKFSALGADSLDVLELWALBEKFNISVEADAO 114
   ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY 66 KIATVGAIVANTION 79
   |::|::|
DB 115 NITTIQEAADLIED 128

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```

RESULT 5
US-10-821-234-1052
; Sequence 1052, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andermann, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc_seq_genes version 1.0
; SEQ ID NO: 1052
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1052

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```

Query Match      34.0%; Score 135; DB 6; Length 178;
Best Local Similarity 37.5%; Pred. No. 1.3e-06;
Matches 30; Conservative 17; Mismatches 33; Indels 0; Gaps 0;

QY 2 PLGSADTLERYTKIIVRLGVDEADVLEASFKEDLGADSLDVLELWMELEDFPMEISD 61
   ||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB 95 PLTEGIDRVLYVLKVDKIDPEKLSVNSHFMKDLGDSLDOVRIIAMEDEFFEIFPD 154
   ||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY 62 EDAEKIATVGAIVANTIONQO 81
   ||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB 155 IDAEKLMCPQEIYDIADKK 174

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```

RESULT 6
US-11-087-100-2
; Sequence 2, Application US/11087100
; Publication No. US20050266440A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kumer, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29

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CURRENT APPLICATION NUMBER: US/11/087,100
CURRENT FILING DATE: 2005-03-21
PRIOR APPLICATION NUMBER: 09/231,899
PRIOR FILING DATE: 1999-01-14
PRIOR APPLICATION NUMBER: 60/284,066
PRIOR FILING DATE: 2001-04-16
PRIOR APPLICATION NUMBER: 60/298,796
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/323,269
PRIOR FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.3
SEQ ID NO 2
LENGTH: 2910
TYPE: PR1
ORGANISM: Schizochytrium sp.
US-11-087-100-2

Query Match 23.8%; Score 94.5; DB 7; Length 2910;
Best Local Similarity 31.3%; Pred. No. 0.41;
Matches 26; Conservative 18; Mismatches 26; Indels 13; Gaps 3;

Qy 2 PLGSADTLERVTIKIYDRLGVD-----EADVLEASFKEKDLGADSLDVELWLELD 53
Db 1114 PAVSNLELKAETVWVEVLAATKGYETDMTEADMELET---ELGIDSIKRVILSEVQA 1169

Qy 54 EPDMEISDEDA-EK1ATVGDAVN 75
Db 1170 MLNVEAKVDALSRTRTVEVNV 1192

RESULT 7
US-11-087-084-2
Sequence 2, Application US/11087084
Publication No. US20050273883A1
GENERAL INFORMATION:
APPLICANT: Metz, James
APPLICANT: Barclay, William
APPLICANT: Platt, James
APPLICANT: Kumer, Jerry
TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORPA of a PUPA Polyketide Synthase
TITLE OF INVENTION: System and Uses Thereof
FILE REFERENCE: 2997-29
CURRENT APPLICATION NUMBER: US/11/087,084
CURRENT FILING DATE: 2005-03-21
PRIOR APPLICATION NUMBER: 09/231,899
PRIOR FILING DATE: 1999-01-14
PRIOR APPLICATION NUMBER: 60/284,066
PRIOR FILING DATE: 2001-04-16
PRIOR APPLICATION NUMBER: 60/298,796
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/323,269
PRIOR FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.3
SEQ ID NO 2
LENGTH: 2910
TYPE: PR1
ORGANISM: Schizochytrium sp.
US-11-087-084-2

Query Match 23.8%; Score 94.5; DB 7; Length 2910;
Best Local Similarity 31.3%; Pred. No. 0.41;
Matches 26; Conservative 18; Mismatches 26; Indels 13; Gaps 3;

Qy 2 PLGSADTLERVTIKIYDRLGVD-----EADVLEASFKEKDLGADSLDVELWLELD 53
Db 1114 PAVSNLELKAETVWVEVLAATKGYETDMTEADMELET---ELGIDSIKRVILSEVQA 1169

Qy 54 EPDMEISDEDA-EK1ATVGDAVN 75
Db 1170 MLNVEAKVDALSRTRTVEVNV 1192

RESULT 8
US-11-087-085-2
Sequence 2, Application US/11087085
Publication No. US20050273884A1
GENERAL INFORMATION:
APPLICANT: Metz, James
APPLICANT: Barclay, William
APPLICANT: Platt, James
APPLICANT: Kumer, Jerry
TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORPA of a PUPA Polyketide Synthase
TITLE OF INVENTION: System and Uses Thereof
FILE REFERENCE: 2997-29
CURRENT APPLICATION NUMBER: US/11/087,085
CURRENT FILING DATE: 2005-03-21
PRIOR APPLICATION NUMBER: 09/231,899
PRIOR FILING DATE: 1999-01-14
PRIOR APPLICATION NUMBER: 60/284,066
PRIOR FILING DATE: 2001-04-16
PRIOR APPLICATION NUMBER: 60/298,796
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/323,269
PRIOR FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.3
SEQ ID NO 2
LENGTH: 2910
TYPE: PR1
ORGANISM: Schizochytrium sp.
US-11-087-085-2

Query Match 23.8%; Score 94.5; DB 7; Length 2910;
Best Local Similarity 31.3%; Pred. No. 0.41;
Matches 26; Conservative 18; Mismatches 26; Indels 13; Gaps 3;

Qy 2 PLGSADTLERVTIKIYDRLGVD-----EADVLEASFKEKDLGADSLDVELWLELD 53
Db 1114 PAVSNLELKAETVWVEVLAATKGYETDMTEADMELET---ELGIDSIKRVILSEVQA 1169

Qy 54 EPDMEISDEDA-EK1ATVGDAVN 75
Db 1170 MLNVEAKVDALSRTRTVEVNV 1192

RESULT 9
US-11-087-100-13
Sequence 13, Application US/11087100
Publication No. US20050266440A1
GENERAL INFORMATION:
APPLICANT: Metz, James
APPLICANT: Barclay, William
APPLICANT: Platt, James
APPLICANT: Kumer, Jerry
TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORPA of a PUPA Polyketide Synthase
TITLE OF INVENTION: System and Uses Thereof
FILE REFERENCE: 2997-29
CURRENT APPLICATION NUMBER: US/11/087,100
CURRENT FILING DATE: 2005-03-21
PRIOR APPLICATION NUMBER: 09/231,899
PRIOR FILING DATE: 1999-01-14
PRIOR APPLICATION NUMBER: 60/284,066
PRIOR FILING DATE: 2001-04-16
PRIOR APPLICATION NUMBER: 60/298,796
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/323,269
PRIOR FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.3
SEQ ID NO 13
LENGTH: 86
TYPE: PR1
ORGANISM: Schizochytrium sp.
US-11-087-100-13

Query Match 23.8%; Score 94.5; DB 7; Length 2910;
Best Local Similarity 31.3%; Pred. No. 0.41;
Matches 26; Conservative 18; Mismatches 26; Indels 13; Gaps 3;

RESULT 13
US-10-524-647-126
Sequence 126, Application US/10524647
Publication No. US20050281909A1
GENERAL INFORMATION:
APPLICANT: Flachmann, Ralf
APPLICANT: Sauer, Malt
APPLICANT: Schopfer, Christel R.
APPLICANT: Klebsattel, Martin
APPLICANT: Pfeiffer, Angelika-Maria
APPLICANT: Luck, Thomas
APPLICANT: Voeste, Dirk
TITLE OF INVENTION: Use of astaxanthin-containing plants or parts of plants of the
TITLE OF INVENTION: genus Tagetes as feedstuffs
FILE REFERENCE: 11173-00004-US
CURRENT APPLICATION NUMBER: US/10/524,647

CURRENT FILING DATE: 2005-02-17
PRIOR APPLICATION NUMBER: PCT/EP2003/009109
PRIOR FILING DATE: 2003-08-18
PRIOR APPLICATION NUMBER: DE 102 38 980.2
PRIOR FILING DATE: 2002-08-20
PRIOR APPLICATION NUMBER: DE 102 38 978.0
PRIOR FILING DATE: 2002-08-20
PRIOR APPLICATION NUMBER: DE 102 38 979.9
PRIOR FILING DATE: 2002-08-20
PRIOR APPLICATION NUMBER: DE 102 53 112.9
PRIOR FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: DE 102 58 971.2
PRIOR FILING DATE: 2002-12-16
NUMBER OF SEQ ID NOS: 142
SOFTWARE: Patentin version 3.3
SEQ ID NO 126
LENGTH: 366
TYPE: PRT
ORGANISM: Sinaps alba
US-10-524-647-126

Query Match 20.3%; Score 80.5; DB 6; Length 366;
Best Local Similarity 27.8%; Pred. No. 0.8;
Matches 27; Conservative 21; Mismatches 30; Indels 19; Gaps 3;

QY 4 GSADTLERVTK-----IIVDRIGVDEADVTKLEASFKEKDGADSLDVELV-MELE 52

DB 269 GSDEIEIRLAKFKARCIGLFGQVVDIIDVTKSSQELKTGKDIADKLTYPKLMGLEKS 328

QY 53 DEFDMEISDE-----DAEKIATVGDAVNYIONQ 81

DB 329 REFAEKLNTFARDOQLGFDSDKVAPLALANYIANRQ 365

RESULT 14

US-10-524-972-114
Sequence 114, Application US/10524972
Publication No. US20060031963A1
GENERAL INFORMATION:
APPLICANT: Schopfer, Christel R.
APPLICANT: Flachmann, Ralf
APPLICANT: Herbers, Karin
APPLICANT: Kunze, Irene
APPLICANT: Sauer, Marc
APPLICANT: Kiebsattel, Martin
TITLE OF INVENTION: Method for the production of Aetaxanthin in flowers of plants
FILE REFERENCE: 13173-00007-US
CURRENT APPLICATION NUMBER: US/10/524,972
CURRENT FILING DATE: 2005-02-18
PRIOR APPLICATION NUMBER: PCT/EP2003/009102
PRIOR FILING DATE: 2003-08-18
PRIOR APPLICATION NUMBER: DE 102 38 980.2
PRIOR FILING DATE: 2002-08-20
PRIOR APPLICATION NUMBER: DE 102 38 978.0
PRIOR FILING DATE: 2002-08-20
PRIOR APPLICATION NUMBER: DE 102 38 979.9
PRIOR FILING DATE: 2002-08-20
PRIOR APPLICATION NUMBER: DE 102 53 112.9
PRIOR FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: DE 102 58 971.2
PRIOR FILING DATE: 2002-12-16
NUMBER OF SEQ ID NOS: 172
SOFTWARE: Patentin version 3.3
SEQ ID NO 114
LENGTH: 366
TYPE: PRT
ORGANISM: Sinaps alba
US-10-524-972-114

Query Match 20.3%; Score 80.5; DB 6; Length 366;
Best Local Similarity 27.8%; Pred. No. 0.8;
Matches 27; Conservative 21; Mismatches 30; Indels 19; Gaps 3;

QY 4 GSADTLERVTK-----IIVDRIGVDEADVTKLEASFKEKDGADSLDVELV-MELE 52
DB 269 GSDEIEIRLAKFKARCIGLFGQVVDIIDVTKSSQELKTGKDIADKLTYPKLMGLEKS 328
QY 53 DEFDMEISDE-----DAEKIATVGDAVNYIONQ 81
DB 329 REFAEKLNTFARDOQLGFDSDKVAPLALANYIANRQ 365

RESULT 15

US-11-087-099-4659
Sequence 4659, Application US/11087099
Publication No. US20060041961A1
GENERAL INFORMATION:
APPLICANT: Abad, Mark S. et al.
TITLE OF INVENTION: Genes and Uses for Plant Improvement
FILE REFERENCE: 38-21(53450)B EP
CURRENT APPLICATION NUMBER: US/11/087,099
CURRENT FILING DATE: 2005-03-22
NUMBER OF SEQ ID NOS: 12464
SEQ ID NO 4659
LENGTH: 628
TYPE: PRT
ORGANISM: Fusobacterium nucleatum subsp. Vincentii ATCC 49256
US-11-087-099-4659

Query Match 20.3%; Score 80.5; DB 7; Length 628;
Best Local Similarity 31.9%; Pred. No. 1.5;
Matches 23; Conservative 14; Mismatches 34; Indels 1; Gaps 1;

QY 10 ERYTKIIVRIGVDEADVTKLEASFKEKDGADSLDVELVMELEDERDMEISDEDAEKIAT 69

DB 334 ERYNKIKKYLINKEKQVYFDSHIEIDLGNDSLDWEFGHFLDLNNGIK-EDNLIISKYPT 392

QY 70 VGDAVNYIONQ 81

DB 393 LLELANYIKDNK 404

Search completed: March 28, 2006, 21:28:04
Job time: 13.4925 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OW protein - protein search, using sw model

Run on: March 28, 2006, 21:07:35 ; Search time 24.4776 Seconds
(without alignments)
405.312 Million cell updates/sec

Title: US-10-717-138-2

Sequence: 1 AVGIGDITELKRIASMG...SHTKRYAAQVIERLS 120

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database:

Issued Patents AA:*
1: /cgnt2_6/prodata/1/aa/5/COMB.pep.*
2: /cgnt2_6/prodata/1/aa/5/COMB.pep.*
3: /cgnt2_6/prodata/1/aa/5/COMB.pep.*
4: /cgnt2_6/prodata/1/aa/5/COMB.pep.*
5: /cgnt2_6/prodata/1/aa/5/COMB.pep.*
6: /cgnt2_6/prodata/1/aa/5/COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	595	100.0	120	2	US-09-770-834-2
2	591	99.3	121	2	US-09-163-446-4
3	591	99.3	121	2	US-09-770-834-12
4	591	99.3	121	2	US-09-771-383-1
5	591	99.3	121	2	US-09-771-383-11
6	281.5	47.3	124	2	US-09-134-001C-4274
7	278	46.7	119	2	US-09-770-834-6
8	278	46.7	119	2	US-09-771-383-5
9	260	43.7	129	2	US-09-107-532A-6990
10	243	40.8	122	2	US-09-583-110-3157
11	243	40.8	122	2	US-08-987-144-2
12	243	40.8	156	2	US-09-163-446-2
13	243	40.8	157	2	US-09-107-433-4199
14	209.5	35.2	138	2	US-09-543-681A-7596
15	201.5	33.9	169	2	US-09-770-834-7
16	201.5	33.9	169	2	US-09-771-383-6
17	201	33.8	126	2	US-09-770-834-9
18	201	33.8	126	2	US-09-771-383-8
19	189.5	31.8	126	2	US-08-728-742A-10
20	189.5	31.8	126	2	US-09-770-834-8
21	189.5	31.8	159	2	US-09-771-383-7
22	189.5	31.8	122	2	US-09-489-039A-11671
23	177.5	29.8	122	2	US-09-198-452A-330
24	177.5	29.8	122	2	US-09-770-834-4
25	177.5	29.8	122	2	US-09-771-383-3
26	177.5	29.8	133	2	US-09-438-185A-315
27	173	29.1	125	2	US-09-770-834-11

ALIGNMENTS

28	173	29.1	125	2	US-09-771-383-10	Sequence 10, Appl
29	166.5	28.0	119	2	US-09-770-834-5	Sequence 5, Appl
30	166.5	28.0	119	2	US-09-771-383-4	Sequence 4, Appl
31	152.5	25.6	124	2	US-09-543-681A-6834	Sequence 6834, Ap
32	151	25.4	123	2	US-09-770-834-10	Sequence 9, Appl
33	151	25.4	123	2	US-09-771-383-9	Sequence 13, Appl
34	141.5	23.8	139	2	US-09-770-834-13	Sequence 12, Appl
35	141.5	23.8	139	2	US-09-771-383-12	Sequence 10894, A
36	134	22.5	126	2	US-09-902-540-10894	Sequence 3, Appl
37	129.5	21.8	122	2	US-09-770-834-3	Sequence 2, Appl
38	129.5	21.8	122	2	US-09-771-383-2	Sequence 3, Appl
39	124	20.8	121	2	US-08-728-742A-3	Sequence 14, Appl
40	115	19.3	130	2	US-09-770-834-14	Sequence 13, Appl
41	115	19.3	130	2	US-09-771-383-13	Sequence 1, Appl
42	113	19.0	120	2	US-08-728-742A-1	Sequence 17862, A
43	113	19.0	376	2	US-09-248-796A-11862	Sequence 152, App
44	107	18.0	131	2	US-09-602-787A-152	Sequence 4, Appl
45	101	17.0	122	2	US-08-728-742A-4	

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RESULT 1
US-09-770-834-2
; Sequence 2, Application US/09770834
; Patent No. 6684162
; GENERAL INFORMATION:
; APPLICANT: Patris, Kevin
; APPLICANT: Somers, William
; APPLICANT: Tam, Amy
; APPLICANT: Lin, Laura
; APPLICANT: Stahl, Mark
; APPLICANT: Powers, Robert
; APPLICANT: Xu, Guan-yi
; TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
; FILE REFERENCE: 2368/14
; CURRENT APPLICATION NUMBER: US/09/770, 834
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: US 60/202, 466
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Bacillus subtilis
; US-09-770-834-2
Query Match 100.0%; Score 595; DB 2; Length 120;
Best local Similarity 100.0%; Pred. No. 8.2e-64;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVGIGDITELKRIASMGROKRPFRITRSELDQVYLSKRRKKEFLAGRAAEVS 60
DB 1 AVGIGDITELKRIASMGROKRPFRITRSELDQVYLSKRRKKEFLAGRAAEVS 60
QY 61 KAFGTGIGRQLSFODIEIRKQNGKPYIITCTLSQAAVVSIHTHKEVAAQVIERLS 120
DB 61 KAFGTGIGRQLSFODIEIRKQNGKPYIITCTLSQAAVVSIHTHKEVAAQVIERLS 120
RESULT 2
US-09-163-446-4
; Sequence 4, Application US/09163446
; Patent No. 6515119
; GENERAL INFORMATION:
; APPLICANT: Fritz, Christian
; APPLICANT: Youngman, Philip
; APPLICANT: Guzman, Luz-Maria
; TITLE OF INVENTION: USE OF S-YDCB AND B-YDCB, ESSENTIAL BACTERIAL GENES
; FILE REFERENCE: 07334/097001

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;; CURRENT APPLICATION NUMBER: US/09/163,446
;; CURRENT FILING DATE: 1998-09-30
;; NUMBER OF SEQ ID NOS: 12
;; SOFTWARE: FASTSEQ for Windows Version 3.0
;; SEQ ID NO 4
;; LENGTH: 121
;; TYPE: PRT
;; ORGANISM: Streptococcus pneumonia
US-09-163-446-4

Query Match 99.3%; Score 591; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.5e-63;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 YGIGLDITTELRKIASMAGROKRFARILTRSELDQYELSEKRNKNEFLAGRFAKAEAFSK 61
DB 3 YGIGLDITTELRKIASMAGROKRFARILTRSELDQYELSEKRNKNEFLAGRFAKAEAFSK 62
DB 63 AFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAAVHVSITHTKEYAAAVVIERLSS 121

RESULT 3
US-09-770-834-12
;; Sequence 12, Application US/09770834
;; Patent No. 6684162
;; GENERAL INFORMATION:
;; APPLICANT: Parrie, Kevin
;; APPLICANT: Somers, William
;; APPLICANT: Tam, Amy
;; APPLICANT: Lin, Laura
;; APPLICANT: Stahl, Mark
;; APPLICANT: Powers, Robert
;; APPLICANT: Xu, Guan-Yi
;; TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
;; TITLE OF INVENTION: OF B. SUBTILIS ACP, AND USES THEREOF
;; FILE REFERENCE: 2368/14
;; CURRENT APPLICATION NUMBER: US/09/770, 834
;; CURRENT FILING DATE: 2001-10-12
;; PRIOR APPLICATION NUMBER: US 60/202,466
;; PRIOR FILING DATE: 2000-05-08
;; NUMBER OF SEQ ID NOS: 16
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 12
;; LENGTH: 121
;; TYPE: PRT
;; ORGANISM: Bacillus sp.
US-09-770-834-12

Query Match 99.3%; Score 591; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.5e-63;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 YGIGLDITTELRKIASMAGROKRFARILTRSELDQYELSEKRNKNEFLAGRFAKAEAFSK 61
DB 3 YGIGLDITTELRKIASMAGROKRFARILTRSELDQYELSEKRNKNEFLAGRFAKAEAFSK 62
QY 62 AFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAAVHVSITHTKEYAAAVVIERLSS 120
DB 63 AFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAAVHVSITHTKEYAAAVVIERLSS 121

RESULT 4
US-09-771-383-1
;; Sequence 1, Application US/09771383
;; Patent No. 6957150
;; GENERAL INFORMATION:
;; APPLICANT: Parrie, Kevin
;; APPLICANT: Somers, William
;; APPLICANT: Tam, Amy
;; APPLICANT: Lin, Laura
;; APPLICANT: Stahl, Mark

;; TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACYL CARRIER PROTEIN SYNTHASE
;; TITLE OF INVENTION: AND ACYL CARRIER PROTEIN SYNTHASE COMPLEX
;; FILE REFERENCE: 2368/12
;; CURRENT APPLICATION NUMBER: US/09/771,383
;; CURRENT FILING DATE: 2001-01-25
;; PRIOR APPLICATION NUMBER: US 60/178,639
;; PRIOR FILING DATE: 2000-01-28
;; NUMBER OF SEQ ID NOS: 13
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 1
;; LENGTH: 121
;; TYPE: PRT
;; ORGANISM: B. subtilis
US-09-771-383-1

Query Match 99.3%; Score 591; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.5e-63;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 YGIGLDITTELRKIASMAGROKRFARILTRSELDQYELSEKRNKNEFLAGRFAKAEAFSK 61
DB 3 YGIGLDITTELRKIASMAGROKRFARILTRSELDQYELSEKRNKNEFLAGRFAKAEAFSK 62
DB 63 AFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAAVHVSITHTKEYAAAVVIERLSS 121

RESULT 5
US-09-771-383-11
;; Sequence 11, Application US/09771383
;; Patent No. 6957150
;; GENERAL INFORMATION:
;; APPLICANT: Parrie, Kevin
;; APPLICANT: Somers, William
;; APPLICANT: Tam, Amy
;; APPLICANT: Lin, Laura
;; APPLICANT: Stahl, Mark
;; TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACYL CARRIER PROTEIN SYNTHASE
;; TITLE OF INVENTION: AND ACYL CARRIER PROTEIN SYNTHASE COMPLEX
;; FILE REFERENCE: 2368/12
;; CURRENT APPLICATION NUMBER: US/09/771,383
;; CURRENT FILING DATE: 2001-01-25
;; PRIOR APPLICATION NUMBER: US 60/178,639
;; PRIOR FILING DATE: 2000-01-28
;; NUMBER OF SEQ ID NOS: 13
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 11
;; LENGTH: 121
;; TYPE: PRT
;; ORGANISM: Bacillus
US-09-771-383-11

Query Match 99.3%; Score 591; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.5e-63;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 YGIGLDITTELRKIASMAGROKRFARILTRSELDQYELSEKRNKNEFLAGRFAKAEAFSK 61
DB 3 YGIGLDITTELRKIASMAGROKRFARILTRSELDQYELSEKRNKNEFLAGRFAKAEAFSK 62
QY 62 AFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAAVHVSITHTKEYAAAVVIERLSS 120
DB 63 AFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAAVHVSITHTKEYAAAVVIERLSS 121

RESULT 6
US-09-134-001C-4274
;; Sequence 4274, Application US/09134001C
;; Patent No. 6380370
;; GENERAL INFORMATION:
;; APPLICANT: Lynn Doucette-Stamm et al
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

```

: TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
:
: FILE REFERENCE: GTC-007
:
: CURRENT APPLICATION NUMBER: US/09/134,001C
:
: PRIOR FILING DATE: 1998-08-13
:
: PRIOR APPLICATION NUMBER: US 60/064,964
:
: PRIOR FILING DATE: 1997-11-08
:
: PRIOR APPLICATION NUMBER: US 60/055,779
:
: PRIOR FILING DATE: 1997-08-14
:
: NUMBER OF SEQ ID NOS: 5674
:
: SEQ ID NO 4274
:
: LENGTH: 124
:
: TYPE: PR1
:
: ORGANISM: Staphylococcus epidermidis
:
: US-09-134-001C-4274

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Query Match	47.3%	Score 281.5	DB 2	Length 124
Best Local Similarity	51.3%	Pred. No. 4.4e-26		
Matches 61, Conservative	20, Mismatches 29,		Indels 9,	Gaps 4,

QY 2 YGIGIDITTEKRIKLSMAGROKRRFAERILIT--SSELDQYVELSEKKNRERILARFAAKXA 58
10 YGIGIDILIEIRIKNO--NOTKFIERILITIEERDKLNOY--TNEQRRLEIRLGRFIVKXA 66
Db
QY 59 FSKAFGICIGIROLSFODIEIRKQNGKPRYIICTKLSQAAVHSITITKEXAAQVITR 117
67 FSKALGIGLGLGSVSFODINCINDALGPR--CIDYGFYTHSITHTENAMSOVILEK 122

RESULT 7
US-09-770-834-6
; Sequence 6, Application US/09770834

```

1  GENERAL INFORMATION:
2  APPLICANT: Parris, Kevin
3  APPLICANT: Somers, William
4  APPLICANT: Tam, Amy
5  APPLICANT: Lin, Laura
6  APPLICANT: Stahl, Mark
7  APPLICANT: Powers, Robert
8  APPLICANT: Xu, Guan-Yi
9  TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
10 TITLE OF INVENTION: OF B. SUBTILIS ACP, AND USES THEREOF
11 FILE REFERENCE: 2368/14
12 CURRENT APPLICATION NUMBER: US/09/770,834
13 CURRENT FILING DATE: 2001-10-12
14 PRIOR APPLICATION NUMBER: US 60/202,466
15 PRIOR FILING DATE: 2000-05-08
16 NUMBER OF SEQ ID NOS: 16
17 SOFTWARE: PatentIn version 3.0*
18 SEQ ID NO 6
19 LENGTH: 119
20 TYPE: PRT
21 ORGANISM: Staphylococcus sp.
22 IS-09-770-834-6

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Query Match	46.7%	Score 278;	DB 2;	Length 119;
Best Local Similarity	48.7%	Pred. No. 1.1e-25;		
Matches 57;	Conservative 25;	Mismatches 31;	Indels 4;	Gaps 2

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QY      2 YGGLGITTEKRLASMAAGKRFPAERLTISELDYYS - EKKNEPLAGRAAEAS 60
      3 |:::|:::|:::|:::|:::|:::|:::|:::|:::|
      3 HGGVDLIEIDRIGALSKQPKVERLTNGECHKNNFTHERCKLEPLAGKATYEAAS 62
Db      3 |:::|:::|:::|:::|:::|:::|:::|:::|
      61 KAFGTGIGROLSPQDIEIRKQNGKPYIETKLSQAAPHVSTHTETEPAAQVIER 117
QY      63 KALGTGIGKRVAAVNDIDCYNDELGSKPI--DYEGFIYHVSISTHTHYMSQVLEK 116
      63 |:::|:::|:::|:::|:::|:::|:::|:::|

```

RESULT 8
US-09-771-383-5
; Sequence 5, Application US/09771383
; Patent No. 6957150
; GENERAL INFORMATION:

```

APPLICANT: Parriss, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACYL CARRIER PROTEIN SYNTHASE
TITLE OF INVENTION: AND ACYL CARRIER PROTEIN SYNTHASE COMPLEX
FILE REFERENCE: 2368/12
CURRENT APPLICATION NUMBER: US/09/771,383
CURRENT FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: US 60/118,639
PRIOR FILING DATE: 2000-01-28
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5
LENGTH: 119
TYPE: PRT
ORGANISM: Staphylococcus
US-09-771-383-5

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Query Match	46.7%	Score 278	DB 25	Length 119
Best Local Similarity	48.7%	Pred. No. 1,1e-25		
Matches 57, Conservative	25	Mismatches 31	Indels 4	Gaps 2

QY 61 KAFNGSIGRQLSNOPIEIRKDNONGRYIIICITLSQAIAVSVIITHRKVAADAAVIER 117
Db 63 KALSTIGLGHAVAPNDIDCYNDELGRPKI---DYEGEIYAVSVISHTBEHIMSQVLEIK 116

RESULT 9
US-09-107-532A-6990
; Sequence 6990, Application US/09107532A
; Patent No. 6583275

APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

CORRESPONDENCE ADDRESS:

ADDRESSEE: GENOME THERAPEUTICS CORPORATION
CITY: 100 BROAD STREET
STATE: MA 02109

STREET: 100 Beaver Street
CITY: Waltham

CITY: Waltham
STATE: Massachusetts

COUNTRY: USA

ZIP: 02354

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-ROM ISO9660

COMPUTER: PC
OPERATING SYSTEM: <Unknown>

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OPENING SYSTEM: <UNKNOWN>
SOFTWARE: ASCII
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CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A

FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085 598

APPLICATION NUMBER: 80/063,398
FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:
NAME: Arinfejo Pamela Denekere

NAME: ALMIELLO, Pamela Denise
REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION
 1-800-451-7233 (TOLL FREE)
 1-800-451-7233 (TOLL FREE)

TELEPHONE: (781) 893-50
TRIFAY. (781) 893-8377

TELEFAX: (781) 893-8277

SEQUENCE CHARACTERISTICS:

LENGTH: 129 amino acids

TYPE: amino acid

TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: YES
 ORIGINAL SOURCE:
 ORGANISM: Enterococcus faecium
 FEATURES:
 NAME/KEY: misc feature
 LOCATION: (B) LOCATION 1...129
 SEQUENCE DESCRIPTION: SEQ ID NO: 6990:
 US-09-107-532A-6990

Query Match 43.7%; Score 260; DB 2; Length 129;
 Best Local Similarity 48.2%; Pred. No. 1.8e-23;
 Matches 55; Conservative 22; Mismatches 35; Indels 2; Gaps 2;

QY 3 GIGDITELKRIASMAKROKFAERILTRSELDQYELSEKRNKFLAGRFAKAEAFSA 62
 DB 17 GIGDAVELPRITLIEKPRFARILITSDMKLFQSLPFRQVEFLGGRYAKAEAFSA 76
 QY 63 FGTGIGRQSLFQDIEIRKQNGKPYIITCTKLSQAAVHSITHTKEVAAQVIE 116
 DB 77 MGTGIGK-LGFQDLVLTNNRGAHY-----FSGAPPSGKIWLISHTDQVTVASVILE 128

RESULT 10
 US-09-583-110-3157
 Sequence 3157, Application US/09583110
 Patent No. 6699703
 GENERAL INFORMATION:
 APPLICANT: Lynn Doucette-Stramm et al.
 TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
 FILE REFERENCE: PAT400-07A
 CURRENT APPLICATION NUMBER: US/09/583, 110
 CURRENT FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: US 09/107,433
 PRIOR FILING DATE: 1998-06-30
 PRIOR APPLICATION NUMBER: US 60/085,131
 PRIOR FILING DATE: 1998-05-12
 PRIOR APPLICATION NUMBER: US 60/051,553
 PRIOR FILING DATE: 1997-07-02
 NUMBER OF SEQ ID NOS: 5322
 SEQ ID NO 3157
 LENGTH: 120
 TYPE: PRT
 ORGANISM: Streptococcus pneumoniae
 US-09-583-110-3157

Query Match 40.8%; Score 243; DB 2; Length 120;
 Best Local Similarity 44.1%; Pred. No. 1.8e-21;
 Matches 52; Conservative 25; Mismatches 31; Indels 10; Gaps 3;
 QY 3 GIGDITELKRIASMAKROKFAERILTRSELDQYELSEKRNKFLAGRFAKAEAFSA 62
 DB 4 GHGIDIELASISAVTRHGFARVLTQEMERFTSLKGRQIEYLGRWSAKAEAFSA 63
 QY 63 FGTGIGRQSLFQDIEIRKQNGKPYIITCTKLSQAAVHSITHTKEVAAQVIE 116
 DB 64 MGTGIGK-LGFQDLVLTNNRGAHY-----FSGAPPSGKIWLISHTDQVTVASVILE 115

RESULT 11
 US-08-987-144-2
 Sequence 2, Application US/08987144
 Patent No. 6060282
 GENERAL INFORMATION:
 APPLICANT: Robeck Jr., Paul R.
 TITLE OF INVENTION: Streptococcus pneumoniae Gene Sequence
 TITLE OF INVENTION: dpj-acps
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Eli Lilly and Company
 STREET: Lilly Corporate Center

CITY: Indianapolis
 STATE: Indiana
 COUNTRY: U.S.
 ZIP: 46285
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/987,144
 FILING DATE: December 8, 1997
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Webster, Thomas D.
 REGISTRATION NUMBER: 39,872
 REFERENCE/DOCKET NUMBER: X-11754
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 317-276-3334
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 122 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-987-144-2

Query Match 40.8%; Score 243; DB 2; Length 122;
 Best Local Similarity 44.1%; Pred. No. 1.8e-21;
 Matches 52; Conservative 25; Mismatches 31; Indels 10; Gaps 3;

QY 3 GIGDITELKRIASMAKROKFAERILTRSELDQYELSEKRNKFLAGRFAKAEAFSA 62
 DB 6 GHGIDIELASISAVTRHGFARVLTQEMERFTSLKGRQIEYLGRWSAKAEAFSA 65
 QY 63 FGTGIGRQSLFQDIEIRKQNGKPYIITCTKLSQAAVHSITHTKEVAAQVIE 116
 DB 66 MGTGIGK-LGFQDLVLTNNRGAHY-----FSGAPPSGKIWLISHTDQVTVASVILE 117

RESULT 12
 US-09-163-446-2
 Sequence 2, Application US/09163446
 Patent No. 6515119
 GENERAL INFORMATION:
 APPLICANT: Filtz, Christian
 APPLICANT: Youngman, Philip
 APPLICANT: Guzman, Luz-Maria
 TITLE OF INVENTION: USE OF S-YDCB AND B-YDCB, ESSENTIAL BACTERIAL GENES
 FILE REFERENCE: 07334/097001
 CURRENT APPLICATION NUMBER: US/09/163,446
 CURRENT FILING DATE: 1998-09-30
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 2
 LENGTH: 156
 TYPE: PRT
 ORGANISM: Streptococcus pneumonia
 US-09-163-446-2

Query Match 40.8%; Score 243; DB 2; Length 156;
 Best Local Similarity 44.1%; Pred. No. 2.6e-21;
 Matches 52; Conservative 25; Mismatches 31; Indels 10; Gaps 3;
 QY 3 GIGDITELKRIASMAKROKFAERILTRSELDQYELSEKRNKFLAGRFAKAEAFSA 62
 DB 40 GHGIDIELASISAVTRHGFARVLTQEMERFTSLKGRQIEYLGRWSAKAEAFSA 99
 QY 63 FGTGIGRQSLFQDIEIRKQNGKPYIITCTKLSQAAVHSITHTKEVAAQVIE 116
 DB 100 MGTGIGK-LGFQDLVLTNNRGAHY-----FSGAPPSGKIWLISHTDQVTVASVILE 151

RESULT 13
US-09-107-433-4199
Sequence 4199, Application US/09107433
Patent No. 6800744
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
THERAPEUTICS
NUMBER OF SEQUENCES: 5206
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
OPERATING SYSTEM: <Unknown>
SOFTWARE: <Unknown>
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,433
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085131
FILING DATE: May 12, 1998
APPLICATION NUMBER: 60/051553
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Atinello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 4199:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Streptococcus pneumoniae
FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1..157
SEQUENCE DESCRIPTION: SEQ ID NO: 4199:
US-09-107-433-4199
Query Match 40.8%; Score 243; DB 2; Length 157;
Best Local Similarity 44.1%; Pred. No. 2.6e-21;
Matches 52; Conservative 25; Mismatches 31; Indels 10; Gaps 3;
QY 3 GIGDITELKRIASMGROKRAERILTRSELDQYELSEKKNIEFLAGFAKFAFSKA 62
DB 41 GIGDIEELASIESAVTRHGFPAKRVLTQEMERFTSLKGRQIEYLAGWMSAKFAFSKA 100
QY 63 FGTGIGRQLSPQDIEIRKQNGKPYIITKLSQA---AVHSITHTKEVAAQVIER 116
DB 101 MGTGISK-LGFQDLEVLNBERGAPY-----FSQAPFSKIMWISHTDQFVTAIVLE 152
RESULT 14
US-09-543-681A-7596
Sequence 7596, Application US/09543681A
Patent No. 6605709
GENERAL INFORMATION:
APPLICANT: GARY BRETON
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 2709,1002-001
CURRENT APPLICATION NUMBER: US/09/543,681A
CURRENT FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/128,706
PRIOR FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 8344
SEQ ID NO 7596
LENGTH: 138
TYPE: PRT
ORGANISM: Proteus mirabilis
US-09-543-681A-7596
Query Match 35.2%; Score 209.5; DB 2; Length 138;
Best Local Similarity 41.1%; Pred. No. 2.3e-17;
Matches 51; Conservative 22; Mismatches 40; Indels 11; Gaps 4;
QY 3 GIGDITELKRIASMGROKRAERILTRSELDQYELSEKKNIEFLAGFAKFAFSKA 61
DB 17 GIGMDVEISRIEIEIGRSGELARILNDNEIITQ--SHQPVAFIAKRFVAKFAAK 74
QY 62 AFGTGIGRQLSPQDIEIRKQNGKPYI---ICTKLSQA---AVHSITHTKEVAAQV 113
DB 75 ALGTGIRLGIAFNHFVANDIEKPTLHFLAVAKEMAQAGINAIHVTTLADEQRYACATV 134
QY 114 VIER 117
DB 135 ILEK 138
RESULT 15
US-09-770-834-7
Sequence 7, Application US/09770834
Patent No. 6684162
GENERAL INFORMATION:
APPLICANT: Parfitts, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
APPLICANT: Powers, Robert
APPLICANT: Xu, Guan-Yi
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
TITLE OF INVENTION: OF B. SUBTILIS ACP, AND USES THEREOF
FILE REFERENCE: 2368/14
CURRENT APPLICATION NUMBER: US/09/770,834
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7
LENGTH: 169
TYPE: PRT
ORGANISM: Thermotoga sp.
US-09-770-834-7
Query Match 33.9%; Score 201.5; DB 2; Length 169;
Best Local Similarity 42.4%; Pred. No. 2.8e-16;
Matches 50; Conservative 23; Mismatches 30; Indels 15; Gaps 7;
QY 3 GIGDITELKRIASMGROKRAERILTRSELDQYELSEKKNIEFLAGFAKFAFSKA 62
DB 4 GVGIDVLEVERV-----PEKFAERILGSEKRLP--LTRKRREPIAIFALKEAFYA 55
QY 63 FGTGIGRQLSPQDIEIRKQNGKPYIITKLSQA---AVHSITHTKEVAAQVIER 117
DB 56 LGTGLNGH-SFTDVF-LESNGKP-VLCVHDPGFPFNVAHVSLSHDR-FAVALVILEK 109
Search completed: March 28, 2006, 21:08:35
Job time : 25.4776 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: March 28, 2006, 21:23:45 ; Search time 18.5075 Seconds

(without alignments)
191.238 Million cell updates/sec

Title: US-10-717-138-2

Sequence: 1 AYGIGDITELKRIASWAGR.....SITHTEKVAQAQVIERLSS 120

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Searched: 174695 seqs, 29494374 residues

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Post-processing: Minimum Match 0%

Listing first 45 summaries

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Published Applications AA New:
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2: /SIDS5/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	159.5	26.8	125	6	US-10-467-657-7284
2	147	24.7	125	7	US-11-098-686-10976
3	71	11.9	226	6	US-10-510-941-20
4	71	11.9	678	7	US-11-096-568A-26686
5	71	11.9	720	7	US-11-096-568A-26685
6	69	11.6	653	6	US-10-821-234-1266
7	69	11.6	657	7	US-11-052-554A-113
8	67.5	11.3	289	7	US-11-010-239-59
9	67.5	11.3	610	7	US-11-096-568A-26687
10	65.5	11.0	558	6	US-10-467-657-694
11	65	10.9	481	7	US-11-094-519A-27
12	65	10.9	487	6	US-10-980-722-2
13	65	10.9	1972	7	US-11-124-367A-446
14	64.5	10.8	1124	7	US-11-087-099-1938
15	64	10.8	351	7	US-11-072-512-2676
16	63.5	10.7	141	6	US-10-467-657-3066
17	63.5	10.7	471	7	US-11-156-084-302
18	63.5	10.7	524	7	US-11-156-084-116
19	63.5	10.7	571	7	US-11-072-512-2709
20	63.5	10.7	737	7	US-11-156-084-117
21	63.5	10.7	915	7	US-11-156-084-119
22	63.5	10.7	1022	7	US-11-156-084-118
23	63.5	10.7	1597	6	US-10-877-346-41
24	63	10.6	239	7	US-11-087-099-817
25	63	10.6	239	7	US-11-172-740-1406

26	63	10.6	567	6	US-10-793-626-3184	Sequence 3184, Ap
27	63	10.6	805	6	US-10-927-641-77	Sequence 97, Appl
28	62.5	10.5	308	7	US-11-194-246-286	Sequence 286, App
29	62.5	10.5	535	6	US-10-793-626-1318	Sequence 1318, App
30	62.5	10.5	639	7	US-11-232-406A-20	Sequence 20, Appl
31	62.5	10.5	1134	7	US-11-087-099-2565	Sequence 2565, Ap
32	62	10.4	476	7	US-11-024-959-519	Sequence 519, Appl
33	62	10.4	2135	7	US-11-203-806A-12	Sequence 12, Appl
34	62	10.4	2725	7	US-11-113-424-52	Sequence 52, Appl
35	62	10.4	2725	7	US-11-100-640-10	Sequence 10, Appl
36	62	10.4	2725	7	US-11-100-640-16	Sequence 16, Appl
37	61.5	10.3	228	6	US-10-467-657-2290	Sequence 2290, Ap
38	61.5	10.3	240	7	US-11-179-977-19	Sequence 19, Appl
39	61.5	10.3	291	7	US-11-010-239-119	Sequence 119, App
40	61.5	10.3	300	6	US-10-793-626-1900	Sequence 1900, Ap
41	61.5	10.3	459	7	US-11-087-099-9854	Sequence 9854, Ap
42	61.5	10.3	726	7	US-11-096-568A-32400	Sequence 32400, A
43	61.5	10.3	829	7	US-11-096-568A-32399	Sequence 32399, A
44	61.5	10.3	834	7	US-11-096-568A-32398	Sequence 32398, A
45	61	10.3	317	6	US-10-513-780-3	Sequence 3, Appl

ALIGNMENTS

```

RESULT 1
US-10-467-657-7284
Sequence 7284, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 7284
LENGTH: 125
TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7284

Query Match      26.8%; Score 159.5; DB 6; Length 125;
Best Local Similarity 48.8%; Pred. No. 4.1e-10;
Matches 42; Conservative 11; Mismatches 30; Indels 3; Gaps 2;

QY 2 YGIGDITELKRIASWAGR-OKRPAIRILTRSLDQYELSEKKNIEFLAGRAKAFS 60
DB 3 YGIGDITELKRIASWAGR-OKRPAIRILTRSLDQYELSEKKNIEFLAGRAKAFS 60
QY 61 KAFGTGIGRGLSFODIEIRKQNGKP 86
DB 61 KAFGTGIGRGLSFODIEIRKQNGKP 86
QY 61 KAVGTGIRGAVFCNIGTGHDLGKP 86
DB 61 KAVGTGIRGAVFCNIGTGHDLGKP 86

RESULT 2
US-11-098-686-10976
Sequence 10976, Application US/11098686
Publication No. US20060024696A1
GENERAL INFORMATION:
APPLICANT: KAPUR, Vivek and Gebhart, Connie J.
TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
FILE REFERENCE: 09531-128001
CURRENT APPLICATION NUMBER: US/11/098,686
CURRENT FILING DATE: 2005-04-04

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PRIOR APPLICATION NUMBER: PCT/US03/31318
PRIOR FILING DATE: 2003-10-01
PRIOR APPLICATION NUMBER: US 60/416,395
PRIOR FILING DATE: 2002-10-04
NUMBER OF SEQ ID NOS: 11433
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10976
LENGTH: 125
TYPE: PRT
ORGANISM: Lawsonia intracellularis
US-11-098-686-10976

Query Match 24.7%; Score 147; DB 7; Length 125;
Best Local Similarity 33.3%; Pred. No. 9.1e-09;
Matches 43; Conservative 19; Mismatches 43; Indels 24; Gaps 4;

QY 3 GIGDITELKRIASMAGRQKRF-----RILTRSELDQYELSEKRNKFLAGRPAA 55
DB 5 GIGDITELKRI-----KKTFTFGDVFLYKFTSTIE--YNNFLKPSIASIAAPAA 55
QY 56 KEAFSKAFGTGIGRQLSFODIEIRKQNGKPEYI-----ICTLSQAAVHSITHTKE 107
DB 56 KEAFSKALGTGFCGSCITFKNIIEISLPNGKQPLHFGNAKKKATSLGVNNIMITLTHSHN 115
QY 108 YAAQVIE 116
DB 116 TAGAVILLE 124

RESULT 3
US-10-510-941-20
Sequence 20, Application US/10510941
Publication No. US20060040346A1
GENERAL INFORMATION:
APPLICANT: Jorgensen, Steen Troels
APPLICANT: Rasmussen, Michael Dolberg
APPLICANT: Andersen, Jens Tonne
APPLICANT: Olesen, Peter Bjarke
APPLICANT: Clausen, Ib Groch
TITLE OF INVENTION: Improved Bacillus Host Cell
FILE REFERENCE: 10297.204-US
CURRENT APPLICATION NUMBER: US/10/510,941
CURRENT FILING DATE: 2004-10-08
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.3
SEQ ID NO 20
LENGTH: 226
TYPE: PRT
ORGANISM: Bacillus licheniformis
US-10-510-941-20

Query Match 11.9%; Score 71; DB 6; Length 226;
Best Local Similarity 24.7%; Pred. No. 2.7;
Matches 21; Conservative 16; Mismatches 40; Indels 8; Gaps 2;

QY 1 AYGIGDITELKRIASMAGRQKRFARILTRSELDQYELSEKRNKFLAGRPAAKAFS 60
DB 101 AQPIGDVEKIKPI-----NFDIAKRFSPSEHDDIMEKDESRLSYFHYLMTWKESFI 154
QY 61 KAFGTGIGRQLSFODIEIRKQNGK 85
DB 155 KQAGKGL--SLPLDSFSVKLNEQGR 177

RESULT 4
US-11-096-568A-26686
Sequence 26686, Application US/11096568A
Publication No. US20060048240A1
GENERAL INFORMATION:
APPLICANT: Alexandrov, Nikolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
FILE REFERENCE: 2750-1592PUS2

CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT FILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 26686
LENGTH: 678
TYPE: PRT
ORGANISM: Zea mays subsp. mays
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(678)
OTHER INFORMATION: Ceres Seq. ID no. 13589292
US-11-096-568A-26686

Query Match 11.9%; Score 71; DB 7; Length 678;
Best Local Similarity 28.3%; Pred. No. 11;
Matches 34; Conservative 20; Mismatches 48; Indels 18; Gaps 7;

QY 4 IGLDI-TELKRIASMAGRQKRF---AERILTRSELDQYELSEKRNKFLAGRPAAKAF 59
DB 55 IGLDGLTNSCVSWMEGKPKVIENAGARTPSV-----VAFQGERLVTGPARKQAV 109
QY 60 SKA-----FGTG--IGRQLSFODIEIRKQNGKPEYIICTLSQAAVHSITHTKEYAAQV 113
DB 110 TNPQNTFFGTKRLIGRR--FDDPQTKEMKQVYTI--VKAPNGDAWVQTTDGKQSPSQV 166

RESULT 5
US-11-096-568A-26685
Sequence 26685, Application US/11096568A
Publication No. US20060048240A1
GENERAL INFORMATION:
APPLICANT: Alexandrov, Nikolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
FILE REFERENCE: 2750-1592PUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT FILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 26685
LENGTH: 720
TYPE: PRT
ORGANISM: Zea mays subsp. mays
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(720)
OTHER INFORMATION: Ceres Seq. ID no. 13589291
US-11-096-568A-26685

Query Match 11.9%; Score 71; DB 7; Length 720;
Best Local Similarity 28.3%; Pred. No. 11;
Matches 34; Conservative 20; Mismatches 48; Indels 18; Gaps 7;

QY 4 IGLDI-TELKRIASMAGRQKRF---AERILTRSELDQYELSEKRNKFLAGRPAAKAF 59
DB 97 IGLDGLTNSCVSWMEGKPKVIENAGARTPSV-----VAFQGERLVTGPARKQAV 151
QY 60 SKA-----FGTG--IGRQLSFODIEIRKQNGKPEYIICTLSQAAVHSITHTKEYAAQV 113
DB 152 TNPQNTFFGTKRLIGRR--FDDPQTKEMKQVYTI--VKAPNGDAWVQTTDGKQSPSQV 208

RESULT 6
US-10-821-234-1286
Sequence 1286, Application US/10821234
Publication No. US20050255114A1
GENERAL INFORMATION:
APPLICANT: Labat, Ivan
APPLICANT: Scache-Crain, Birgit
APPLICANT: Andatman, Susan
APPLICANT: Tang, Y. Tom
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234

; CURRENT FILING DATE: 2004-04-07
 ; PRIOR APPLICATION NUMBER: US 60/462,047
 ; PRIOR FILING DATE: 2003-04-07
 ; NUMBER OF SEQ ID NOS: 1704
 ; SOFTWARE: PL_SEQ_genes version 1.0
 ; SEQ ID NO 1286
 ; LENGTH: 653
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-821-234-1286

Query Match 11.6%; Score 69; DB 6; Length 653;
 Best Local Similarity 33.8%; Pred. No. 17;
 Matches 26; Conservative 12; Mismatches 31; Indels 8; Gaps 4;

Qy 10 ELKRIAS----MACROKFAERILTRSLDQ--YELSK-RKNEFLAGRFAA--KEAFSK 61
 Db 536 EIERWVDAEKFAEDDKKERIDTRNELSYAVALKNQIGDKERLGGKLSSEDKETWEK 595
 Qy 62 AFGTIGRQLSFODIEI 78
 Db 596 AVEKIEWLSHQADI 612

RESULT 7
 US-11-052-554A-113
 ; Sequence 113, Application US/11052554A
 ; Publication No. US2005028686A1

; GENERAL INFORMATION:
 ; APPLICANT: Sachdeva, et al.
 ; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
 ; TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
 ; FILE REFERENCE: 30853/40359A

; CURRENT APPLICATION NUMBER: US/11/052,554A
 ; CURRENT FILING DATE: 2005-02-07
 ; PRIOR APPLICATION NUMBER: US 60/589,227
 ; PRIOR FILING DATE: 2004-07-20
 ; PRIOR APPLICATION NUMBER: IN 173/DBL/2004
 ; PRIOR FILING DATE: 2004-02-06
 ; NUMBER OF SEQ ID NOS: 763
 ; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 113
 ; LENGTH: 657
 ; TYPE: PRT
 ; ORGANISM: Helicobacter pylori J99
 ; US-11-052-554A-113

Query Match 11.6%; Score 69; DB 7; Length 657;
 Best Local Similarity 24.8%; Pred. No. 17;
 Matches 28; Conservative 14; Mismatches 31; Indels 40; Gaps 4;

Qy 3 GIGLDIT-----ELKRIASMACROKFAERILTRSLDQYELSEKRNKNEFLAG 51
 Db 298 GLGSDIPPSNNDDGKHVGVAALDPKKLFGDNKKTINLEDLRTILHE----- 348
 Qy 52 RPAKFAKFAFGTIGRQLSFQ-----DIEIRKDNQK-----PYIICT 91
 Db 349 -----FSHTKGYGHNGNMITYORVPYTKGQYVKDNGKPKSDGLPYNVCS 394

RESULT 8
 US-11-010-239-59
 ; Sequence 59, Application US/11010239
 ; Publication No. US20060015970A1

; GENERAL INFORMATION:
 ; APPLICANT: Roger PENNELL
 ; APPLICANT: Jack OKAMURO
 ; APPLICANT: Richard SCHNEBERGER
 ; APPLICANT: Yiwen FANG
 ; APPLICANT: Shing KWOK
 ; APPLICANT: Diane JOFUKU
 ; APPLICANT: Edward A. KIEGLE
 ; APPLICANT: Jonathan DONSON

; APPLICANT: Nestor APUYA
 ; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY USEFUL FOR
 ; TITLE OF INVENTION: MODIFYING PLANT CHARACTERISTICS
 ; FILE REFERENCE: 2750-1586PUS2
 ; CURRENT APPLICATION NUMBER: US/11/010,239
 ; CURRENT FILING DATE: 2004-12-09
 ; PRIOR APPLICATION NUMBER: US 60/529,352
 ; PRIOR FILING DATE: 2003-12-12
 ; NUMBER OF SEQ ID NOS: 133
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 59
 ; LENGTH: 289
 ; TYPE: PRT
 ; ORGANISM: Arabidopsis thaliana
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)..(289)
 ; OTHER INFORMATION: 12711515_protein_ID_12711517
 ; US-11-010-239-59

Query Match 11.3%; Score 67.5; DB 7; Length 289;
 Best Local Similarity 31.9%; Pred. No. 8.7;
 Matches 22; Conservative 7; Mismatches 31; Indels 9; Gaps 2;

Qy 34 LDQYELSEKRNKNEFLAGR--PAKFAKFAFGTIGRQLSFQ-----DIEIRKDNQ 84
 Db 54 LDQYSSGSGFKSKKEYLVGRIDMQLKLVAGSAGTVARYYSSGATIDEIDFELGNMETG 113
 Qy 85 KPYIICTKT 93
 Db 114 KPYVLTNTV 122

RESULT 9
 US-11-096-568A-26687
 ; Sequence 26687, Application US/11096568A
 ; Publication No. US20060048240A1

; GENERAL INFORMATION:
 ; APPLICANT: Alexandrov, Nikolai et al.
 ; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptide
 ; TITLE OF INVENTION: 'Therby
 ; FILE REFERENCE: 2750-1592PUS2
 ; CURRENT APPLICATION NUMBER: US/11/096,568A
 ; CURRENT FILING DATE: 2005-04-01
 ; NUMBER OF SEQ ID NOS: 34471
 ; SEQ ID NO 26687

; LENGTH: 610
 ; TYPE: PRT
 ; ORGANISM: Zea mays subsp. mays
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)..(610)
 ; OTHER INFORMATION: Ceres Seq. ID no. 13589293
 ; US-11-096-568A-26687

Query Match 11.3%; Score 67.5; DB 7; Length 610;
 Best Local Similarity 32.9%; Pred. No. 22;
 Matches 25; Conservative 11; Mismatches 31; Indels 9; Gaps 4;

Qy 44 RKNEFLAGRPAKFAKFAKFA--FGTG--IGRQLSFODIEIRKDNQKPYIICTKLSQAA 97
 Db 26 QKGERLVGTPAKGQATNTNQNTFFGTRKRLIGRR--FDDPQYQKEMQVPTTI--VKA PNGD 82
 Qy 98 VHSITHTKEYYAAQV 113
 Db 83 AWVQTTDGQYSPSQV 98

RESULT 10
 US-10-467-657-694
 ; Sequence 694, Application US/10467657
 ; Publication No. US20050260581A1
 ; GENERAL INFORMATION:

APPLICANT: CHIRON SPA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 694
LENGTH: 558
TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-694

Query Match 11.0%; Score 65.5; DB 6; Length 558;
Best Local Similarity 26.4%; Pred. No. 32;
Matches 34; Conservative 29; Mismatches 36; Indels 29; Gaps 9;

QY 5 GUDITELKRIASMAHRO-KKFAERILTRSELDQYV--LSEKR-----KNEF--LAGRF 53
DB 76 GLAV-ENERLATOLGQERKAFACQYALEROIRQVETDLESKQTVADVNDSDGNRF 134
QY 54 AAKEAFSKAFGTGIGRQLSF-QDIEIRKQNGKPYIICTKLSQAAVHSITHTKEYAAQ 112
DB 135 AAEE-----KQIATLQEKAEAEHLRQSH---TELQEAQGLAVEN--ERLATQ 178

QY 113 VVIERLSS 120
DB 179 IEQERLAS 186

RESULT 11
US-11-094-519A-27
Sequence 27, Application US/11094519A
Publication No. US20050281810A1
GENERAL INFORMATION:
APPLICANT: BERNSTEIN, Jeanne
APPLICANT: LEVINE, Zuri
TITLE OF INVENTION: VARIANTS OF ALTERNATIVE SPLICING
FILE REFERENCE: 2786-0140P
CURRENT APPLICATION NUMBER: US/11/094,519A
CURRENT FILING DATE: 2005-03-31
PRIOR APPLICATION NUMBER: US/09/695,293
PRIOR FILING DATE: 2000-10-25
PRIOR APPLICATION NUMBER: IL 132558
PRIOR FILING DATE: 1999-10-25
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 27
LENGTH: 481
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(481)
OTHER INFORMATION: any Xaa is any amino acid, unknown, or other
US-11-094-519A-27

Query Match 10.9%; Score 65; DB 7; Length 481;
Best Local Similarity 26.4%; Pred. No. 30;
Matches 24; Conservative 18; Mismatches 37; Indels 12; Gaps 3;

QY 39 ELSEKKNFLAERFAKAEFSKAFGTGIGRQLSFQDIEIRKD-----QNGKPYIIC 91
DB 108 KFSISNANIKISGKWKQKFLKMSG---NFDLSIEGMSISADLKLGSNPTSGKPTTCS 164
QY 92 KLSQ--AAVHSITHTKEYAAQVIERLSS 120

DB 165 SCSSHINSVHAISSKVGWMLIQLFHKIES 195

RESULT 12

US-10-980-722-2
Sequence 2, Application US/10980722
Publication No. US20060009383A1

GENERAL INFORMATION:

APPLICANT: Theofan, Georgia

Horwitz, David

Burke, David

Baltalan, Manik

Grima, Lynn S.

Grina, Lynn S.

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Grina, Lynn S.

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; APPLICANT: Michele Carcilli
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CU001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 446
; LENGTH: 1972
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-124-367A-446

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Query Match 10.9%; Score 65; DB 7; Length 1972;
Best Local Similarity 24.0%; Pred. No. 1.8e+02;
Matches 30; Conservative 17; Mismatches 54; Indels 24; Gaps 5;

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QY 13 RIASMAQRORFARILTRSELDQYELSEKRNKNEFLAGR-----FAKKAFAKFGTIGIG 68
DB 116 RTSSVLAQMSVESAAV--EEKGELELOKEKEEDTSGNTTSLGADTASQGLFGVL 173
QY 69 ROLSFODIEIRKQNGKPYII-----CTKLQAQAAVASTHTKEVAAAOVVI 115
DB 174 ELSSQOQVE---ENTVPYEDVKQQLQSVTNSGYTTLSDVNTALIKH--EKGNEIDIFI 228
QY 116 ERLSS 120
DB 229 AEQSS 233

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RESULT 14
US-11-087-099-1938
; Sequence 1938, Application US/11087099
; Publication No. US20060041961A1
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S. et al.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53450)B EP
; CURRENT APPLICATION NUMBER: US/11/087,099
; CURRENT FILING DATE: 2005-03-22
; NUMBER OF SEQ ID NOS: 12464
; SEQ ID NO 1938
; LENGTH: 1124
; TYPE: PRT
; ORGANISM: Pisum sativum
; US-11-087-099-1938

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Query Match 10.8%; Score 64.5; DB 7; Length 1124;
Best Local Similarity 25.5%; Pred. No. 99;
Matches 35; Conservative 17; Mismatches 48; Indels 37; Gaps 6;

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QY 5 GLDI-TELKRIASMAQRORFARILTRSELDQY-----YELSEKRNKNEFL----- 49
DB 922 GTDLETFQKRIIVNTSSQCORQLSKILDSDLDGIIDGYLDLEMAEFTLAEVLTSLSQVM 981
QY 50 -----AGFAKKAFAKFAKFGTIGIGRLSFOD---LEIRKQNGKPYIICTKLQ- 95
DB 982 NRSNTGIRIANDVAEHIAETLYGDSLRLQVLADELILISINSTPGGQVIAASITKE 1041
QY 96 ---AAVH-----VSITH 104
DB 1042 QLGKSVHLVNLSTITH 1058

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RESULT 15

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US-11-072-512-2676
; Sequence 2676, Application US/11072512
; Publication No. US2006002945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: MAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUKIO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAZUO
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2676
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-072-512-2676

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Query Match 10.8%; Score 64; DB 7; Length 351;
Best Local Similarity 27.8%; Pred. No. 26;
Matches 20; Conservative 14; Mismatches 26; Indels 12; Gaps 2;

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QY 11 LKRIASMAQRORFARILTRSELDQYELSEKRNKNEFLAGRFAKKAFAKFGTIGIGRQ 70
DB 133 LMKIATSKIRGAFSGISEWPCNTRFHVVEKRTGQLPGRY-----YSKPF----- 180
QY 71 LSFODIEIRKQ 82
DB 181 VTFHQJNAFEDQ 192

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Search completed: March 28, 2006, 21:28:03
Job time : 19.5075 secs

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: March 28, 2006, 21:22:30 ; Search time 138.507 Seconds

(without alignments)
361.999 Million cell updates/sec

Title: US-10-717-138-2

Perfect score: 1 AYGIGDITELKRIASMAGR.....SITHTKXYAAQVIERLSS 120

Sequence: BLOSUM62

Scoring table: Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_Main:*
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2: /cgn2_6/ptodaca/1/pubpaa/US08_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	595	100.0	120 3 US-09-770-834-2	Sequence 2, Appl1
2	595	100.0	120 4 US-10-717-138-2	Sequence 2, Appl1
3	591	99.3	121 3 US-09-771-383-1	Sequence 1, Appl1
4	591	99.3	121 3 US-09-771-383-1	Sequence 11, Appl1
5	591	99.3	121 3 US-09-770-834-12	Sequence 12, Appl1
6	591	99.3	121 4 US-10-717-138-12	Sequence 12, Appl1
7	304	51.1	119 4 US-10-282-122A-46229	Sequence 46229, A
8	287	48.2	118 4 US-10-282-122A-60496	Sequence 60496, A
9	281.5	47.3	124 4 US-10-724-972A-3855	Sequence 3855, Ap
10	279.5	47.0	117 4 US-10-282-122A-70857	Sequence 70857, A
11	278.5	46.8	119 4 US-10-282-122A-71569	Sequence 71569, A
12	278	46.7	119 3 US-09-771-383-5	Sequence 5, Appl1
13	278	46.7	119 3 US-09-770-834-6	Sequence 6, Appl1
14	278	46.7	119 4 US-10-717-138-6	Sequence 6, Appl1
15	277	46.6	119 3 US-09-815-242-5341	Sequence 5341, Ap
16	277	46.6	119 3 US-09-815-242-12401	Sequence 12401, A
17	275	46.2	119 4 US-10-282-122A-44196	Sequence 44196, A
18	275	46.2	119 5 US-10-857-625-722	Sequence 722, App
19	269	45.2	117 4 US-10-282-122A-57376	Sequence 57376, A
20	269	45.2	117 5 US-10-853-901-230	Sequence 230, App
21	269	45.2	117 5 US-10-853-901-232	Sequence 232, App
22	267	44.9	117 3 US-09-815-242-10776	Sequence 10776, A
23	262	44.0	126 4 US-10-282-122A-52394	Sequence 52394, A
24	244	41.0	117 5 US-10-501-282-74	Sequence 74, Appl
25	244	41.0	113 5 US-10-501-282-72	Sequence 72, Appl
26	243	40.8	120 4 US-10-282-122A-74124	Sequence 74124, A
27	243	40.8	120 5 US-10-472-928-3504	Sequence 3504, Ap

28	243	40.8	122 3 US-09-815-242-13472	Sequence 13472, A
29	243	40.8	122 3 US-09-815-242-13649	Sequence 13649, A
30	243	40.8	122 3 US-09-897-645-1	Sequence 1, Appl1
31	243	40.8	157 5 US-10-617-320-4199	Sequence 4199, Ap
32	237.5	39.9	126 4 US-10-282-122A-77481	Sequence 77481, A
33	228.5	38.4	119 3 US-09-769-736-30	Sequence 30, Appl
34	227	38.2	119 4 US-10-282-122A-72422	Sequence 72422, A
35	221.5	37.2	124 4 US-10-282-122A-51630	Sequence 51630, A
36	221	37.1	118 4 US-10-282-122A-74722	Sequence 74722, A
37	219.5	36.9	126 4 US-10-282-122A-53036	Sequence 53036, A
38	209.5	35.2	126 4 US-10-282-122A-69169	Sequence 69169, A
39	201.5	33.9	169 3 US-09-771-383-6	Sequence 6, Appl1
40	201.5	33.9	169 3 US-09-770-834-7	Sequence 7, Appl1
41	201.5	33.9	169 4 US-10-717-138-7	Sequence 7, Appl1
42	201	33.8	126 3 US-09-771-383-8	Sequence 8, Appl1
43	201	33.8	126 3 US-09-770-834-9	Sequence 9, Appl1
44	201	33.8	126 4 US-10-717-138-9	Sequence 9, Appl1
45	200.5	33.7	126 4 US-10-282-122A-78498	Sequence 78498, A

ALIGNMENTS

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RESULT 1
US-09-770-834-2
; Sequence 2, Application US/09770834
; Publication No. US20030211588A1
; GENERAL INFORMATION:
; APPLICANT: Paritis, Kevin
; APPLICANT: Somers, William
; APPLICANT: Tam, Amy
; APPLICANT: Lin, Laura
; APPLICANT: Stahl, Mark
; APPLICANT: Powers, Robert
; APPLICANT: Xu, Guan-Yi
; TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX. SOLUTION STRUCTURE
; TITLE OF INVENTION: OF B. SUBTILIS ACP, AND USES THEREOF
; FILE REFERENCE: 2368/14
; CURRENT APPLICATION NUMBER: US/09/770,834
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: US 60/202,466
; PRIOR FILING DATE: 2000-05-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Bacillus subtilis
; US-09-770-834-2

Query Match          100.0%; Score 595; DB 3; Length 120;
Best Local Similarity 100.0%; Pred. No. 1.9e-63;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 AYGIGDITELKRIASMAGRQKRPFAIRILTRSELDQYELSEKRNKFLGRFAKEAFS 60
Db 1 AYGIGDITELKRIASMAGRQKRPFAIRILTRSELDQYELSEKRNKFLGRFAKEAFS 60

Cy 61 KAFGFGIGRQLSFQDIEIRKQNGKPYITCTLSQAAVVSITHTKXYAAQVIERLSS 120
Db 61 KAFGFGIGRQLSFQDIEIRKQNGKPYITCTLSQAAVVSITHTKXYAAQVIERLSS 120

RESULT 2
US-10-717-138-2
; Sequence 2, Application US/10717138
; Publication No. US20040078147A1
; GENERAL INFORMATION:
; APPLICANT: Paritis, Kevin
; APPLICANT: Somers, William
; APPLICANT: Tam, Amy
; APPLICANT: Lin, Laura
; APPLICANT: Stahl, Mark
```

APPLICANT: Powers, Robert
APPLICANT: Xu, Guan-Yi
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
TITLE OF INVENTION: OF B. SUBTILIS ACP, AND USES THEREOF
FILE REFERENCE: 2368/14
CURRENT APPLICATION NUMBER: US/10/717,138
CURRENT FILING DATE: 2003-11-19
PRIOR APPLICATION NUMBER: US/09/770,834
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin version 3.0
SEQ ID NO 2
LENGTH: 120
TYPE: PRT
ORGANISM: Bacillus subtilis
US-10-717-138-2

Query Match 100.0%; Score 595; DB 4; Length 120;
Best Local Similarity 100.0%; Pred. No. 1,9e-63;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YGIGLDITELKRIASMGROKRPFAERILITRSELDQYVELSEKRNFEFLAGFAKFAFSK 60
DB 1 YGIGLDITELKRIASMGROKRPFAERILITRSELDQYVELSEKRNFEFLAGFAKFAFSK 60
QY 61 KAFGTGIGROLSFODIEIRKQNGKPYIICITKLSQAAVHVSITHTKEVAAAQVIERLSS 120
DB 61 KAFGTGIGROLSFODIEIRKQNGKPYIICITKLSQAAVHVSITHTKEVAAAQVIERLSS 120

RESULT 3
US-09-771-383-1
Sequence 1, Application US/09771383
Patent No. US20020094562A1
GENERAL INFORMATION:
APPLICANT: Parris, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACYL CARRIER PROTEIN SYNTHASE
TITLE OF INVENTION: AND ACYL CARRIER PROTEIN SYNTHASE COMPLEX
FILE REFERENCE: 2368/12
CURRENT APPLICATION NUMBER: US/09/771,383
CURRENT FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: US 60/178,639
PRIOR FILING DATE: 2000-01-28
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin version 3.0
SEQ ID NO 1
LENGTH: 121
TYPE: PRT
ORGANISM: B. subtilis
US-09-771-383-1

Query Match 99.3%; Score 591; DB 3; Length 121;
Best Local Similarity 100.0%; Pred. No. 5,8e-63;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 YGIGLDITELKRIASMGROKRPFAERILITRSELDQYVELSEKRNFEFLAGFAKFAFSK 61
DB 3 YGIGLDITELKRIASMGROKRPFAERILITRSELDQYVELSEKRNFEFLAGFAKFAFSK 62
QY 62 AFGTGIGROLSFODIEIRKQNGKPYIICITKLSQAAVHVSITHTKEVAAAQVIERLSS 120
DB 63 AFGTGIGROLSFODIEIRKQNGKPYIICITKLSQAAVHVSITHTKEVAAAQVIERLSS 121

RESULT 4
US-09-771-383-11
Sequence 11, Application US/09771383

Patent No. US20020094562A1
GENERAL INFORMATION:
APPLICANT: Parris, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACYL CARRIER PROTEIN SYNTHASE
TITLE OF INVENTION: AND ACYL CARRIER PROTEIN SYNTHASE COMPLEX
FILE REFERENCE: 2368/12
CURRENT APPLICATION NUMBER: US/09/771,383
CURRENT FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: US 60/178,639
PRIOR FILING DATE: 2000-01-28
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin version 3.0
SEQ ID NO 11
LENGTH: 121
TYPE: PRT
ORGANISM: Bacillus
US-09-771-383-11

Query Match 99.3%; Score 591; DB 3; Length 121;
Best Local Similarity 100.0%; Pred. No. 5,8e-63;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 YGIGLDITELKRIASMGROKRPFAERILITRSELDQYVELSEKRNFEFLAGFAKFAFSK 61
DB 3 YGIGLDITELKRIASMGROKRPFAERILITRSELDQYVELSEKRNFEFLAGFAKFAFSK 62
QY 62 AFGTGIGROLSFODIEIRKQNGKPYIICITKLSQAAVHVSITHTKEVAAAQVIERLSS 120
DB 63 AFGTGIGROLSFODIEIRKQNGKPYIICITKLSQAAVHVSITHTKEVAAAQVIERLSS 121

RESULT 5
US-09-770-834-12
Sequence 12, Application US/09770834
Publication No. US20030211588A1
GENERAL INFORMATION:
APPLICANT: Parris, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
APPLICANT: Powers, Robert
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
TITLE OF INVENTION: OF B. SUBTILIS ACP, AND USES THEREOF
FILE REFERENCE: 2368/14
CURRENT APPLICATION NUMBER: US/09/770,834
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin version 3.0
SEQ ID NO 12
LENGTH: 121
TYPE: PRT
ORGANISM: Bacillus sp.
US-09-770-834-12

Query Match 99.3%; Score 591; DB 3; Length 121;
Best Local Similarity 100.0%; Pred. No. 5,8e-63;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 YGIGLDITELKRIASMGROKRPFAERILITRSELDQYVELSEKRNFEFLAGFAKFAFSK 61
DB 3 YGIGLDITELKRIASMGROKRPFAERILITRSELDQYVELSEKRNFEFLAGFAKFAFSK 62
QY 62 AFGTGIGROLSFODIEIRKQNGKPYIICITKLSQAAVHVSITHTKEVAAAQVIERLSS 120
DB 63 AFGTGIGROLSFODIEIRKQNGKPYIICITKLSQAAVHVSITHTKEVAAAQVIERLSS 121

RESULT 6
US-10-717-138-12
Sequence 12, Application US/10717138
Publication No. US20040078147A1
GENERAL INFORMATION:
APPLICANT: Parrie, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
APPLICANT: Powers, Robert
APPLICANT: Xu, Guan-Yi
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
OF B. SUBTILIS ACP, AND USES THEREOF
FILE REFERENCE: 2368/14
CURRENT FILING DATE: 2003-11-19
PRIOR APPLICATION NUMBER: US/09/770,834
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.0
SEQ ID NO 12
LENGTH: 121
TYPE: PRT
ORGANISM: Bacillus sp.
US-10-717-138-12

Query Match 99.3%; Score 591; DB 4; Length 121;
Best Local Similarity 100.0%; Pred. No. 5.8e-63;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 YGIGDITELKRIASNAAGROKFAERILTRSELDQYELSEKKRNEFLAGFAKFAFSK 61
Db 3 YGIGDITELKRIASNAAGROKFAERILTRSELDQYELSEKKRNEFLAGFAKFAFSK 62

Qy 62 AFGTGIGROLSPFDIEIRKQNGKPYIICTKLSQAANVHSITHTKEYAAQVIERLSS 120
Db 63 AFGTGIGROLSPFDIEIRKQNGKPYIICTKLSQAANVHSITHTKEYAAQVIERLSS 121

RESULT 7
US-10-282-122A-46229
Sequence 46229, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangau
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Foreyth, R.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT FILING DATE: US/10/282,122A
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06

PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 46229
LENGTH: 119
TYPE: PRT
ORGANISM: Bacillus anthracis
US-10-282-122A-46229

Query Match 51.1%; Score 304; DB 4; Length 119;
Best Local Similarity 54.2%; Pred. No. 2.3e-28;
Matches 64; Conservative 20; Mismatches 32; Indels 2; Gaps 1;

Qy 3 GIGDITELKRIASNAAGROKFAERILTRSELDQYELSEKKRNEFLAGFAKFAFSKA 62
Db 4 GIGDITELKRIASNAAGROKFAERILTRSELDQYELSEKKRNEFLAGFAKFAFSKA 63

Qy 63 FGTGIGROLSPFDIEIRKQNGKPYIICTKLSQAANVHSITHTKEYAAQVIERLSS 120
Db 64 VGTGIGREVSPFDIEVRNDGRKPYIITS--TEHYVHLSISHSKFAVAQVLESSSS 119

RESULT 8
US-10-282-122A-60496
Sequence 60496, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangau
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Foreyth, R.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT FILING DATE: US/10/282,122A
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09

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; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PAMM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60496
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Listeria monocytogenes
; US-10-282-122A-60496

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CURRENT APPLICATION NUMBER: us/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 71569
LENGTH: 119
TYPE: PRT
ORGANISM: Staphylococcus haemolyticus
US-10-282-122A-71569

Query Match 46.8%; Score 278.5; DB 4; Length 119;
Best Local Similarity 50.0%; Pred. No. 2.7e-25;
Matches 59; Conservative 22; Mismatches 32; Indels 5; Gaps 3;

QY 2 YGIGDITELKRIASMAKROK-REARILTRSELDQYEL-SEKRNQFLAGFAKEAF 59
DB 3 HGIIGDLIETDKKAFKFKKDKLVKILQEEQPHSKSKRKRFELSGFATKEAF 62
QY 60 KAFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAANVVSITHTKEVYAAQVIER 117
DB 63 KALGTGLGKTVAFKNDICYNDELGKPK---DYEGRIVHVSISHTEHVAMSGVLEK 117

RESULT 12
US-09-771-383-5
Sequence 5, Application US/09771383
Patent No. US20020094562A1
GENERAL INFORMATION:
APPLICANT: Parris, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACYL CARRIER PROTEIN SYNTHASE
FILE REFERENCE: 2368/12
CURRENT APPLICATION NUMBER: US/09/771,383
CURRENT FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: US 60/178,639
PRIOR FILING DATE: 2000-01-28
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5
LENGTH: 119
TYPE: PRT
ORGANISM: Staphylococcus
US-09-771-383-5

Query Match 46.7%; Score 278; DB 3; Length 119;
Best Local Similarity 48.7%; Pred. No. 3.1e-25;
Matches 57; Conservative 25; Mismatches 31; Indels 4; Gaps 2;

QY 2 YGIGDITELKRIASMAKROKFAEILTRSELDQYELS-EKRNQFLAGFAKEAF 60
DB 3 HGIIGDLIETDKKAFKFKKDKLVKILQEEQPHSKSKRKRFELSGFATKEAF 62
QY 61 KAFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAANVVSITHTKEVYAAQVIER 117
DB 63 KALGTGLGKTVAFKNDICYNDELGKPKI---DYEGRIVHVSISHTEHVAMSGVLEK 116

RESULT 13
US-09-770-834-6
Sequence 6, Application US/09770834
Publication No. US20030211586A1
GENERAL INFORMATION:
APPLICANT: Parris, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
APPLICANT: Powers, Robert
APPLICANT: Xu, Guan-Yi
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
FILE REFERENCE: 2368/14
CURRENT APPLICATION NUMBER: US/09/770,834
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 119
TYPE: PRT
ORGANISM: Staphylococcus sp.
US-09-770-834-6

Query Match 46.7%; Score 278; DB 3; Length 119;
Best Local Similarity 48.7%; Pred. No. 3.1e-25;
Matches 57; Conservative 25; Mismatches 31; Indels 4; Gaps 2;

QY 2 YGIGDITELKRIASMAKROKFAEILTRSELDQYELS-EKRNQFLAGFAKEAF 60
DB 3 HGIIGDLIETDKKAFKFKKDKLVKILQEEQPHSKSKRKRFELSGFATKEAF 62
QY 61 KAFGTGIGRQLSFODIEIRKQNGKPYIICTKLSQAANVVSITHTKEVYAAQVIER 117
DB 63 KALGTGLGKTVAFKNDICYNDELGKPKI---DYEGRIVHVSISHTEHVAMSGVLEK 116

RESULT 14
US-10-717-138-6
Sequence 6, Application US/10717138
Publication No. US20040078147A1
GENERAL INFORMATION:
APPLICANT: Parris, Kevin
APPLICANT: Somers, William
APPLICANT: Tam, Amy
APPLICANT: Lin, Laura
APPLICANT: Stahl, Mark
APPLICANT: Powers, Robert
APPLICANT: Xu, Guan-Yi
TITLE OF INVENTION: CRYSTAL STRUCTURE OF ACPS/ACP COMPLEX, SOLUTION STRUCTURE
FILE REFERENCE: 2368/14
CURRENT APPLICATION NUMBER: US/10/717,138
CURRENT FILING DATE: 2003-11-19
PRIOR APPLICATION NUMBER: US/09/770,834
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/202,466
PRIOR FILING DATE: 2000-05-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6

LENGTH: 119
TYPE: PRT
ORGANISM: Staphylococcus sp.
US-10-717-138-6

Query Match 46.7%; Score 278; DB 4; Length 119;
Best Local Similarity 48.7%; Pred. No. 3.1e-25;
Matches 57; Conservative 25; Mismatches 31; Indels 4; Gaps 2;

QY 2 YGIGLDITELKRIASMGROKRFARILITRSELDQYELS-EKKRNEFLAGRFAPAKEAFS 60
DB 3 HGIQVDLIEIDRIQALYSKQPKLVERILITNEQHKFNFTHEQKIFFLAGRFATKEAFS 62

QY 61 KAFGTGIGROLSPQDIEIRKQNGKPYIICTKLSQAAVHSITHTKEYAAQVIER 117
DB 63 KALGTGIGKVAFNDICVNDDELGPKI--DYEGFIVHVSISHTHEYAMSQVVLK 116

RESULT 15

US-09-815-242-5341
Sequence 5341, Application US/09815242
Patent No. US20020061569A1

GENERAL INFORMATION:
APPLICANT: Haeseldeck, Robert
APPLICANT: Ohlsen, Karl L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 1410
SOFTWARE: PasteSeq for Windows Version 4.0
SEQ ID NO 5341
LENGTH: 119
TYPE: PRT
ORGANISM: Staphylococcus aureus
US-09-815-242-5341

Query Match 46.6%; Score 277; DB 3; Length 119;
Best Local Similarity 48.7%; Pred. No. 4.1e-25;
Matches 57; Conservative 25; Mismatches 31; Indels 4; Gaps 2;

QY 2 YGIGLDITELKRIASMGROKRFARILITRSELDQYELS-EKKRNEFLAGRFAPAKEAFS 60
DB 3 HGIQVDLIEIDRIQALYSKQPKLVERILITNEQHKFNFTHEQKIFFLAGRFATKEAFS 62

QY 61 KAFGTGIGROLSPQDIEIRKQNGKPYIICTKLSQAAVHSITHTKEYAAQVIER 117
DB 63 KALGTGIGKVAFNDICVNDDELGPKI--DYEGFIVHVSISHTHEYAMSQVVLK 116

Search completed: March 28, 2006, 21:27:27
Job time: 139.507 secs